SEPA	ENTIAL HAZAR SITE INSPECT LOCATION AND	TON R	PORT	O1 STATE	FICATION 02 SITE NUMBER
IL SITE NAME AND LOCATION -			Table National Control		
D1 STE NAME (Logo, common or descriptive many of one)	and Manager and American Ameri		vision in the contract of	ECIFIC LOCATION DENTIFIER	
LIE. Carpenter and Compan	4	170	North Ma	in Street	· · ·
Wharton	0		07885	Morris	OTCOUNTY DE DONG CODE DEST
00 COOMENATES	10 TYPE OF DWNERE	KJ		PIOILIS	
40° 34715.N _15 34 40.W	D F. OTHER			D.C. STATE D.D. COUNTY	
III. INSPECTION INFORMATION DI BATE OF INSPECTION 02 BITE STATUS	ON YEARS OF OPERAT	10x 8-1	WOSTE:	prundmer t	
12,12,84 BRACTIVE	,	NAME YE	11970	UNIÓIDIN	
DA ADENCY PERFORMING INSPECTION (Street at the street)	1		- <u> </u>		
D.A. EPA D.B. EPA CONTRACTOR	are of fact	D C. M	INICIPAL D.D.M	UNICIPAL CONTRACTOR _	
YE STATE DF. STATE CONTRACTOR	CTO of CTO	Deo	NEN	(Appendix)	Alexander del Assessi
05 CHIEF INSPECTOR	106 TITLE			DI ORGANIZATION	DE TELEPHONE NO.
Gregory Cunningham	Senor En	VI tona	Retol Estati	ANTHE O	6091292-4438
OF OTHER DEPENDENCE	1011114			11 ORGANIZATION	12 TELEPHONE NO.
William Kramer		e0/0	nertal engli	NUDEP	609) 292-0668
		. (1		()
					()
		er a sage Trian			()
					()
13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE		SADORES		16 TELEPHONE NO
Frank Aron	Group lead	er	170 Nort	h Main Stree	77 (20) 366-2020
					()
					()
			· ·		()
					()
					()
BLOCK 801 LOTS 1, 2, and 3					•
17 ACCESS GAMED BY 18 TIME OF INSPECTION	19 WEATHER CON				
M PERMISSION 1:30 PMC	(ve.	rcast		
IV. INFORMATION AVAILABLE FROM					
Robert Keyton	NJDEP/Haza	ardou	Site Miti	gation Admin	6091 292 - 1213
Gregory Cunninghom	DWR.		EANEATION DEP	609) 292-0668	DE DATE 12,12,84 MONTH DAY YEAR

9.	
	A

L WASTEST	ATES, QUANTITIES, AN	CHARACTER	ISTICS				
	ATES (Chase of Par May)	OZ WASTE QUANT		OS WASTE CHARACTE	PESTICS (Coop of the o	1971	
A SOLD DE BLINNY NEED TOIS TOIS CURCYANOS			من المناك المناك		TIME JEG PLAN	MARIE XX REACT	ME VE PATIBLE
D & OTHER	- Carrelli	NO OF DRUMS .					. , 2
HL WASTE T	YPE						
CATEGORY	BUBSTANCE N	M	and the second of the second o	02 UNIT OF MEABURE	03 COMMENTS		
SU	SWOGE		4074	Cubic yords		from imp	
OLW	OLY WASTE				+0 of		ation.
SOL	SOLVENTS		20,000	galloss	- floating	on ground u	unter_
P80	PESTICIDES			0	U		<u> </u>
∞c	OTHER ORGANIC CH	EMICALS					
100	NORGANIC CHÉMIC	N.S		1			
ACO	ACIDS						
BAS	BASES		1				
MES	MEAVY METALS						
A Company of the Company of State of	ous substances	The second secon	1				Texter mes or
T CATEGORY	OZ SUBSTANCE N	ME	D3 CAS NUMBER	DA STORAGE/DIS	75. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	05 CONCENTRATION	DE MEASURE OF
510	Styrene_			impound n	nest	750,000	ppb
	Xulenc	عمد و محمد براها می میدر مرکز		in pound	ment	7100,000	100b
•	nonone			Impounda	nen+	750,000	DOB
	Cumene			impound	MEAT	>50,000	pph
	1,1,2 trichloro	ethone		in rund	ment	102	ppb
	dibyone Chlore	mellanc		im Ood	ndment	3703	phb
	musituler		10	IMAROUN		3940	Moh
	- R-Cukeno		8.3	in Dain		3577	boh
	hete borne	112	المناك المناء العاسقي الرا	impround		11650	pnp
	chloroform			im Down		203	1 Oph
	benzenes				dwent	74	000
	Toluene_			IMPOUND	IMEAT	4526	ppp
	octane.	er en		in pedi	dment	708	loph
	tricklaseth				d ment	48	pph
	lead ()		im Cou	ndnu at	129.65	mys/R
	nicke)			impode	dovert	1259	majely
V. FEEDST	CKS ples Asserted to CAS Stories	Darium		impoun		14.83	mga/fil
CATEGOR	01 FEEDSTOC	X NAME	OZ CAS MUMBER	CATEGORY		TOCK NAME	02 CAS NUMBER
FDS	1			FDS			
FDS				FDS		The second section of the second section of the second section	
FDS				FDS			where the state of
FDS			. 10	FDS		-	

waste sludge analyses

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION

	KAZARDOUS CONDITIONS AND INCIDENT	rs
II, HAZARDOUS CONDITIONS AND INCIDENTS		
01 E. A. GROUNDWATER CONTAMINATION 27/000	02 C OBSERVED (DATE: AUGUST 15.1950)	D POTENTIAL DI ALLEGED
Solvents floating up	on ground water sur	face
pollutants dissolved	d in ground water un	der site
D1 D B. SURFACE WATER CONTAMBIATION D3 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	XPOTENTIAL DI ALLEGED
surface water potent	tially affected due to a	migration of
plume	<i>U</i>	•
01 D. C. CONTAMENATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	C POTENTIAL C ALLEGED
01 [] D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	O POTENTIAL D ALLEGED
the sludge removed	from impoundment	in 1982 was
the sludge removed flameable and reacti	ive.	
01 D E DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL C ALLEGED
01 S.F. CONTAMBUATION OF SOIL 11/000 P.F. 2.	02 D OBSERVED (DATE: APY! 17.1902) 04 NARRATIVE DESCRIPTION	D POTENTIAL D ALLEGED
01 D.G. DRINKING WATER CONTAMINATION 90,000	02. D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL D'ALLEGED
Sole source aqu	iter could be affect	cted by
contamination by	L.E. Carpenter.	
01 D H. WORKER EXPOSURE/MURY 03 WORKERS FOTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	C POTENTIAL D ALLEGED
01 DIL POPULATION EXPOSURE/INJURY	02 D OBSERVED (DATE:)	
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	☐ POTENTIAL ☐ ALLEGED

SEPA		ENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT TION OF HAZARDOUS CONDITIONS AND INCIDEN		L IDENTIFIE	T
E HAZARDOUS CONDI	TIONS AND INCIDENTS	Commer :			
01 D J. DAMAGE TO PLI 04 NARRATIVE DESCRIPT		02 C OBSERVED (DATE:	DP	OTENTIAL	C ALLEGED
					:
01 D K. DAMAGE TO FA		02 D OBSERVED (DATE:)	0.	OTENTAL	C ALLEGED
				•	
			·.	·	
DI DIL CONTAMNATION DI NARRATIVE DESCRIP		02 🗆 OBSERVED (DATE:)	DP	OTENTIAL	C ALLEGED
				1.2	
A natutical	MUY AFFECTED 22	7.000 or NARRATIVE DESCRIPTION Ground water microtoring well	s Cou	lectd	on
ugust 18,1480	indicates the	of the unstes are not effe	ectiv	eld (or	DALLEGED
Con	staminated g	Producter obsite is proliperties.	ba bl	y fla	ving
					
	N OF SEWERS, STORM DR	perties. Who of doesenved (date:)		OTENTIAL.	D ALLEGED
O1 D O CONTÂMINATIO	IN OF SEWERS, STORM DE TION THORIZED DUMPING.		Dr		
01 D P. ELEGALANAIT	IN OF SEWERS, STORM DE TION THORIZED DUMPING.	AINS, WWTPs 02 D OBSERVED (DATE:)	Dr	OTENTIAL.	D ALLEGED
01 D P. ELEGALAINAUT 01 D P. ELEGALAINAUT 01 D P. ELEGALAINAUT 04 NARRATIVE DESCRIP	IN OF SEWERS, STORM DE TION THORIZED DUMPING TION	ANS, WWTPs 02 D OBSERVED (DATE:) 02 D OBSERVED (DATE:)	Dr	OTENTIAL.	D ALLEGED
01 D P. ELEGALAMANT 04 NARRATIVE DESCRIPT 01 D P. ELEGALAMANT 04 NARRATIVE DESCRIPT	IN OF SEWERS, STORM DE TION THORIZED DUMPING TION	AINS, WWTPs 02 D OBSERVED (DATE:)	Dr	OTENTIAL.	D ALLEGED
O1 D CONTAMINATIO O4 NARRATIVE DESCRIPT O1 D P. ILLEGALAMAUT O4 NARRATIVE DESCRIPT O5 DESCRIPTION OF AN	IN OF SEWERS, STORM DE TION THORIZED DUMPING TION	ANS, WWTPs 02 D OBSERVED (DATE:) 02 D OBSERVED (DATE:)	Dr	OTENTIAL.	D ALLEGED
01 D P. ELEGALAMAUTO 04 NARRATIVE DESCRIPT 01 D P. ELEGALAMAUTO 04 NARRATIVE DESCRIPT 05 DESCRIPTION OF AN	IN OF SEWERS, STORM DE TION THORIZED DUMPING. TION Y OTHER KNOWN, POTENT	O2 DOBSERVED (DATE:) O2 DOBSERVED (DATE:) TALL OR ALLEGED HAZARDS	D#	OTENTIAL	O ALLEGED
01 D P. ILLEGALAMAIN 01 DP. ILLEGALAMAIN 04 NARRATIVE DESCRIP 05 DESCRIPTION OF AN III. TOTAL POPULATIO IV. COMMENTS	IN OF SEWERS, STORM DE TION THORIZED DUMPING TION Y OTHER KNOWN, POTENT IN POTENTIALLY AFFEC	O2 DOBSERVED (DATE:) O2 DOBSERVED (DATE:) TALL OR ALLEGED HAZARDS TED:	Dr Dr	OTENTIAL OTENTIAL	DALLEGED ALLEGED
O1 D P. ELEGALAMANTO D1 D P. ELEGALAMANTO D4 NARRATIVE DESCRIPTION OF AN BIL TOTAL POPULATIO IV. COMMENTS IN 1982 O AH APPYOYE	THORIZED DUMPING THORIZED DUMPING TON Y OTHER KNOWN, POTENT IN POTENTIALLY AFFECT LIE. Carpein	TEN removed 4,074 yd3 of booten, However a severe	Dr Dr	OTENTIAL OTENTIAL	DALLEGED ALLEGED
OI DO CONTAMINATIO ON NARRATIVE DESCRIPTION ON DESCRIPTION OF ANY BILL TOTAL POPULATION IV. COMMENTS IN 1962 ON APPLYONE POPULATION OF ANY	IN OF SEWERS, STORM DE TION THORIZED DUMPING TION Y OTHER KNOWN, POTENT N POTENTIALLY AFFECT LIE. Carpein LIE. Carpein LIE. Carpein LIE. Carpein	TEN removed 4,074 yd3 of booten, However a severe	Dr Dr	OTENTIAL OTENTIAL	DALLEGED ALLEGED
OI DO CONTAMINATION OF ANY DESCRIPTION OF ANY DESCR	THORIZED DUMPING THORIZED THORIZE	TEN removed 4,074 yd3 of booten, However a severe	plies il w Sta grow	otental otental otental	DALLEGED Cranduba Cranduba Cather

	POTENTIAL	HAZARDOU	S WASTE SITE		I. IDENTIFICATION
\$EPA		ITE INSPECT			DI STATE DE SITE NUMBER
	PART 4 - PERMIT			ION L	William William William Virginian .
IL PERMIT INFORMATION					
01 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	DO DATE ISSUED	04 EXPRATION DATE	05 COMMENTS	
(Choch all that apply)	NJ0003611 C			.tho	l discharge
C A. NPDES				(IK) PHIO	C diseasy
C.B. UIC					
DC. AR	*	Promise School V. S. School V. S. School	The second second second second		The second secon
DD RORA	NJD00 2168748			geren	700
D.E. RCRAINTERIM STATUS					
DF. SPCC PLAN					7
P. G. STATE (General)	M7003611 I				itration logoon
D.H. LOCAL (Receive)				Cuses &	or pumpies tests)
DI OTHER (Benefit)					
DJ. NONE			<u> </u>	<u> </u>	
IIL SITE DESCRIPTION	and the same of th				
	CRAMOUNT OF UNIT OF		REATMENT (Chine of the		DE OTHER
XA SURFACE IMPOUNDMENT	9074 Yd	9 DA	NCEMERATION		XA BUILDINGS ON SITE
D B. PRLES			UNDERGROUND BU		A someoning
D.C. DRUMS, ABOVE GROUND	**		CHEMICALPHYRIC	L	
DE TANK BELOW GROUND			BIOLOGICAL WASTE OIL PROCES	Series	OS ARSA OF SITE
II F. LANDFILL			SOLVENT RECOVER		
D G. LANDFARM			OTHER RECYCLING		1/123
D H. OPEN DUMP		DH	OTHER	430/	
LOTHER			•		
OT COMMENTS	Stack 8 -635	45 1	though Fire	wk Ama	did not know the
* Stack=1-45998 Stock &- 19725					
Stack 3 - 19726	Stack le - 519				recovery tank,
Stack 4-19724	Stuck 24 - 375	82 1	ne soid it	ans ap	proximately
stack 5 - 15514	Stuck 25 633	61	10,000 gall	long in	CORCITA.
Stack 6 - 15513	stact 86 - 633	02			The late
IV. CONTAINMENT					n carbone company of a carbon company of the
D1 CONTAINMENT OF WASTES (Chase ent)	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		main day (TT or Table)
C A ADEQUATE SECURE	D B. MODERATE	C. MADEO	NATE POOR	D D. INSECL	JRE, UNSOUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS,	DARRIERS, ETC.				
impound ment	contained	op proxim	nate les cu	er 9000	yd of sludge.
H was irregularly	clan and and	77	tent St C	e Dad	
may medical	soures and		Vector Constant	eroc vase.	in i of connected
paraller Treathes,	The surforce	OF THE	im runda	went we	us of froximite
purallel treaches, the some elevation v. Accessibility approx	OS THE SULY OU	HOING 9	OYMOS. The	z imprzun	SMIRET WOS
ON WASTE BASELY ACCESSIBLE: THE	MINETPHY 10 9	retuder		<u> </u>	
01 WASTE BABILY ACCESSIBLE: 1 YE	2 NO .	- 2		1 maria	and the same of the
In 1983	2 over 9,00	00 yd	ot sludg	e remi	ited from six
		U	U		
VL SOURCES OF INFORMATION 1000	pocific references, e.g. easte fact, serce	o energia (Reports)	and the second second second		
Application of the second of t	AND THE RESERVE OF THE PROPERTY OF THE PROPERT				
NITOED DE	VISION OF W	orton 1	Resource	's file	S
100000	TE I	**************************************		בולם מי	Sion of unsto
Intermetion	_ also obtain	led from	M NI NE	ERS PIN	ision of waste Quality.
Management	and Division	, of E	nviron ma	ental	Qualitu.

: :: :		POTE	NTIAL HAZARI		SITE	I. IDENTIFICATION	
SEPA			SITE INSPECT				
~,	P	ART 5 - WATER	, DEMOGRAPHIC	, AND ENVIRON	MENTAL DATA		
IL DRINKING WATER SU	IPPLY					***	
DI TYPE OF DRINGING SUPPLY			O2 STATUS			03 DISTANCE TO SITE	,
Comment on September 1							
	SUNFACE	WELL	PIOANGERE		MONITORED		
COMMUNETY NON-COMMUNETY	A.X.	8. 3 . D	A.D D. D	9.D 8.D	C. X (0.5	
	<u> </u>	ייי	0.0			24 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
AL GROUNDWATER		<u> </u>				The second secon	
DI BAOUNDWATER USE IN VI	1						
X A DILY SOURCE FOR	DRINGNG C	B. Dringthis	•	Automoti acros	NAL INDUSTRIAL PURISA	ITION D.D. NOT USED, UNUSEAS	C.E.
		COMMERCIAL IN	DUSTRIAL PRIBATION		•		
	······································		-	·			
02 POPULATION SERVED BY		727000	, [NREET DRIVING WATER	0.50	
02 POPULATION SERVED BY							
04 DEPTH TO GROUNDWATER	0	5 DIRECTION OF GRO	DUNDWATER FLOW	OF CONCEPN	OF ACLUSER		-
	AN)				m >1500 9	LINE DYES DN	0
DE DESCRIPTION OF WELLS &		ill, and leaders regime to	التواشية واو ميوانيوم	 	The state of the s		
Wharton S	spela we	elic and I	DOLLAN Scient	la enclis a	re approx	imately Sixta	4 10
0 147 107	71.0	4.5 446. [الرام	ין ענויט או		σ	1
Cighty test	in dep	th oid 7	they are. I	located	on a so	le source	•
o aqqite	. r.		0				
TO REDTURGE AREA LIE.	(arpenter 1	's low red en	ceticos pian.	11 DISCHARGE AREA	January 1		
E YES COMMENTS	Federic Re	zy, ster Xel 9	78, Nº 16	D YES COM			
DNO STATE TO	st this s	lad plain is	18, No 16 e. recharge	D NO		r	
IV. SURFACE WATER						MARAMAN TARA A TEMPORAL EN W 19 19 19 NA	
DI SURFACE WATER USE ICH		- 1 1 1 1 1 1 1 1 1 1 					•••
		D. a. mana (Tri	ON, ECONOMICALLY		RCIAL INDUSTRIAL	D D. NOT CURRENTLY U	
DRINKING WATER			NT RESOURCES	C C. Comme	عدرانموها كندار		SED
							SED
		2 A A A A A A A A A A A A A A A A A A A					SED
02 AFFECTED/POTENTIALLY		ES OF WATER					SED
02 AFFECTED/POTENTIALLY		ES OF WATER			AFFECTE	D DISTANCE TO SITE	SED
NAME:	AFFECTED BOOK				AFFECTE	D DISTANCE TO SITE	
	AFFECTED BOOK				AFFECTE 0 0	D DISTANCE TO SITE	SED (mi) (mi)
NAME:	ag Riv	ier			0	0	, (ml)
Roc Kour	ag Riv	ier sessoir			0	D DISTANCE TO SITE CO CO CO CO CO CO CO CO CO C	(ml) (ml)
ROCKOUNTERS CO	AFFECTED BOOK	ier sessoir			0	O Oppressionately 13	(ml) (ml)
ROC KOULT TO I SEY CO V. DEMOGRAPHIC AND OI TOTAL POPULATION WITH	AFFECTED BOOK (A.J. Ki) (Y.J. Ke PROPERTY	SELVEIR		NAME OF SITE	D D DISTANCE TO NEA	approsimately 13	(ml) (ml)
V. DEMOGRAPHIC AND OI TOTAL POPULATION WITH ONE (1) MILE OF SITE	AFFECTED BOOK (A.J. Ki) (Y.J. Ke PROPERTY	ier sessoir	THREE (9) MILES OF SITE	D D DISTANCE TO NEA	approsimately 13	(ml) (ml)
ROC KOULT TO I SEY CO V. DEMOGRAPHIC AND OI TOTAL POPULATION WITH	AFFECTED BOOK (A.J. Ki) (Y.J. Ke PROPERTY	SELVEIR	THREE (C. 22	MILES OF SITE 73 500 O OFFERDA	D D DISTANCE TO NEA	O Oppressionately 13	(ml) (ml)
V. DEMOGRAPHIC AND OI TOTAL POPULATION WITH ONE (1) MILE OF SITE	AFFECTED BOOK (A.J. Ki) (Y.J. Ke. PROPERTY IN TWO B.	SECVEIY INFORMATION 1(2) MILES OF SITE 100 OF PERSONS	THREE (S	7,500 D OF PERSONS	02 DISTANCE TO NEA	C) approximately 13 AEST POPULATION ely 150 fact	(ml) (ml)
POC KGU! TO ISEY CO V. DEMOGRAPHIC AND OI TOTAL POPULATION WITH ONE (1) MILE OF SITE A. HO. OF PERSONS	AFFECTED BOOK (A.J. Ki) (Y.J. Ke. PROPERTY IN TWO B.	SECVEIY INFORMATION 1(2) MILES OF SITE 100 OF PERSONS	THREE (C. 2	7,500 D OF PERSONS	02 DISTANCE TO NEA	C) approximately 13 AEST POPULATION ely 150 fact	(ml) (ml)
POC KOUP TO SEY V. DEMOGRAPHIC AND OI TOTAL POPULATION WITH ONE (1) MILE OF SITE A HO OF PERSONS O3 MLANBER OF BUILDINGS W	AFFECTED BOOK AT A RIVE PROPERTY TWO B.	SECVEIY INFORMATION 1(2) MILES OF SITE 100 OF PERSONS	THREE (C. 22	7,500 D OF PERSONS	OF DISTANCE TO NEA	C) approximately 13 AEST POPULATION ely 150 fact	(ml) (ml)
POC KOUP TO SEY V. DEMOGRAPHIC AND O1 TOTAL POPULATION WITH ONE (1) MILE OF SITE A HO. OF PERSONS O3 MUMBER OF BUILDINGS WITHIN VICE O5 POPULATION WITHIN VICE	AFFECTED BOOK AT A RE- PROPERTY NOTHIN TWO (2) N	SELEVICIAN INFORMATION (2) MILES OF SITE NO. OF PERSONS ILES OF SITE	G. Lig	04 DESTANCE TO NE	OF DISTANCE TO NEA APPROXIMENT AMEST OFF-SITE BURDS OFFORY 150	approximately 13 mestrorustion ely 150 feet seet	(mi) (mil)
POPULATION WITHIN YOU	AFFECTED BOOK AT A RE PROPERTY TWO B. THIS TWO (2) N	SECUCIO INFORMATION (2) MILES OF SITE 10 OF FINEOUS ILES OF SITE 10 CONTROL	c. A	7,500 OF PERSONS ON DISTANCE TO NE ON PROCEDITION ON THE PROCEDURE I'M AUG TO	approximate and the story 150	approximately 13 AEST HOMENTON Ely 150 feet Feet C but it	(mi) (mi) (mi)
POPULATION WITHIN YOU	AFFECTED BOOK AT A RE PROPERTY TWO B. THIS TWO (2) N	SECUCIO INFORMATION (2) MILES OF SITE 10 OF FINEOUS ILES OF SITE 10 CONTROL	c. A	7,500 OF PERSONS ON DISTANCE TO NE ON PROCEDITION ON THE PROCEDURE I'M AUG TO	approximate and the story 150	approximately 13 AEST HOMENTON Ely 150 feet Feet C but it	(mi) (mi) (mi)
POPULATION WITHIN YOU	AFFECTED BOOK AT A RE PROPERTY TWO B. THIS TWO (2) N	SECUCIO INFORMATION (2) MILES OF SITE 10 OF FINEOUS ILES OF SITE 10 CONTROL	c. A	7,500 OF PERSONS ON DISTANCE TO NE ON PROCEDITION ON THE PROCEDURE I'M AUG TO	approximate and the story 150	approximately 13 AEST HOMENTON Ely 150 feet Feet C but it	(mi) (mi) (mi)
POPULATION WITHIN YOU	AFFECTED BOOK AT A RE PROPERTY TWO B. THIS TWO (2) N	SECUCIO INFORMATION (2) MILES OF SITE 10 OF FINEOUS ILES OF SITE 10 CONTROL	c. A	7,500 OF PERSONS ON DISTANCE TO NE ON PROCEDITION ON THE PROCEDURE I'M AUG TO	approximate and the story 150	approximately 13 AEST HOMENTON Ely 150 feet Feet C but it	(mi) (mi) (mi)
POPULATION WITHIN YOU	AFFECTED BOOK AT A RE PROPERTY TWO B. THIS TWO (2) N	SECUCIO INFORMATION (2) MILES OF SITE 10 OF FINEOUS ILES OF SITE 10 CONTROL	c. A	7,500 OF PERSONS ON DISTANCE TO NE ON PROCEDITION ON THE PROCEDURE I'M AUG TO	approximate and the story 150	approximately 13 mestrorustion ely 150 feet seet	(mi) (mi) (mi)

Ω.	ΛC
V	

į	I. IDEN	TIF	CAT	10	¥	,
Ì	DI STAT	102	SITE	NU	485	a

ŞEPA PAR	SITE INSPEC	RDOUS WASTE SITE TION REPORT IIC, AND ENVIRONMENTAL DATA	DI STATE OZ SITE NIMBER
VI. ENVIRONMENTAL INFORMATION			
O: PERMEABILITY OF UNSATURATED ZONE (Dept of	Jac .		
	□ 8 10-4 - 10-4 am/sec □	C. 10-4 = 10-3 em/sec XD. GREATER	THAN 10 ⁻³ envise:
D2 PERMEABLITY OF BEDROCK (Chair gray) [2] A. IMPERMEABLE RANGE (18) 18-5 Grange	D B. RELATIVELY SUPERMEAS		VERY PERMEABLE (Desire ion 10°2 arrest)
03 DEPTH TO BEDROOK 04 DEPTH	OF CONTAMINATED SOIL ZONE	06 SOL 94	The second secon
approximataly 60 m			
DO NET PRECIPITATION 07 ONE VE	217 (m)	SITE SLOPE DIRECTION OF SITE S	LOPE TERRAIN AVERAGE SLOPE
DI FLOOD POTENTIAL SITE IS IN	10 STE IS ON BARR	ER ISLAND, COASTAL HIGH HAZARD AREA	RIVERINE FLOCOWAY
11 DISTANCE TO WETLANDS IS now more and	- V	12 DISTANCE TO CRITICAL HABITAT OF GROUPS	COCCO
ESTUARME	OTHER		(m0)
A(ml) B.	(m)	ENDANGERED BPECIES:	
13 LAND USE IN VICINITY	CONTRACTOR OF THE PROPERTY OF		
DISTANCE TO: COMMERCIAL INDUSTRIAL LOCUTED I'M A INCLUSTRIAL Zone	RESIDENTIAL AREAS: NATION FORESTS, OR WILDLIF A POPULA I MANOR B. 150 fee	e reserves prime aglan telg	CULTURAL LANDS D AG LAND -(ml) D(ml)
1.4 DESCRIPTION OF SITE IN RELATION TO SURROUS	NONG TOPOGRAPHY		
Although the	facility is loo	cated in an Indus	trial Zone,

borders the Rocksung River and is located in a flood pluin. The site is located in a flood plain and is generally flat. The surrounding facility is also generally flat

NJDEP, Division of water Resources files

OFDA		•	OTENTIAL HAZARDOUS WASTE SITE	LIDENTIFIC	
SEPA		P/	SITE INSPECTION REPORT ART 6 - SAMPLE AND FIELD INFORMATION	ON STATE 02	PTE MUMBER
IL SAMPLES TAK	אפ				
BAMPLE TYPE		OI NAMER OF SAMPLES TAKEN	DS BAMPLES BENT TO		CO ESTIMATED DATE
GROUNDWATER		de l'agriculture de la company			
BUFFACE WATER	1				
WASTE			No samples collecte	d	
AR			No Samples collected during inspection of Determher 12, 1989	2	
RUNOFF			Delember 12, 1987		
SPLL					
SOL					
VEGETATION	-				
OTHER					
EL FIELD MEASUR	REMENTS TA	KEN			
O1 TYPE		02 COMMENTS			
		No -	field marosuraments	to ken	during
		inspect	field measurements tion of December 12,19	29	
					<u></u>
IV. PHOTOGRAPH			TOP O		10 - 11 - 110 - D
01 TYPE D GROU			02 M OUSTOOM OF NOT DEP DIVISION OF	DE WATER	· Kesame
SYES INO	O4 LOCATION		VISION OF WITER RESON	rcos	
V. OTHER FIELD D					
water	ludge Saim	sam ples ples (R	ed from analytical re, ground unter samples, ock away River), and sumple	surface s of	solvent
+	loat in	g afon th	reground up ter. Ined from measurements		
	Da IR	4150 00701	ned from measurements	of que	runc
Walthe	યુલ્લવા છે.	Duna Solv	ent thickness on ground wa	ter suf	-sacy
UNTA A	MECONATIO	Tained +	rom ground custer pumping	tests.	
VL SOURCES OF	NFORMATIC)N (Cito apoents retorances), e	Ag., Samo Mad., Bertodo Andrijais, Aprilia)	·	-
NJI	DEP,	Division	of water Resources	files	

CURRENT OWNER(S)			PARENT COMPANY		
NAME		02 D+8 NUMBER	OR HANG	17	09 D+B NUMBER
IE, Carrenter and Co	meany		Dayco Corpor	nation	
STREET ADDRESS P.O. am. MOP. OIL	1.0	04 SIC 000E	10 STREET WOORESS P.O. O. M. MOV		11 BIC COOE
70 North Main Stre	reT		333 west f	FIRST STIPPE	
wharton	DE STATE	07885	Day ton	OH	45407
			Dayton		
NAME	Ī	02 D+8 NUMBER	OS NAME V	Ī	D+8 NUMBER
STREET ADDRESS P.O. Bac MO		04 BIC CODE	10 STREET ADDRESS (P.O. Dis. DPD)).ess)	118C 000E
OS CITY	OS STATE	07 20 CODE	12 C/1Y	13 STATE	14 2P COOE
• :		·	·		
TI NAME		02 D+8 NUMBER	DO NAME	l l	09 D+8 NUMBER
					1
3 STREET ADDRESS P.O. Box, MPF. etc.)		04 SC 000E	10 STREET ADDRESS P.O. Dec. PPD	P. COL.	118C CODE
is any	LOS STATE	07 27 COOE	12 017	13 STATE	14 ZIP CODE
TI MAKE		OS D+8 MUMBER	CO NAME		09 D+8 NUMBER -
1				4.0	
OJ STREET ADDRESS (P.O. Bass, APOP, 602.)		04 BIC CODE	10 STREET ADDRESS P.O am. MO	r. (66.)	118IC COOE
98 GTY	06 STATE	07 20 COOE	12 0114	STATE CI	14 2P CODE
IL PREVIOUS OWNER(S)			IV. REALTY OWNER(S)		-
O1 NAME	- -	02 D+8 NUMBER	01 NAME		02 D+8 MAGER
1					
03 STREET ADDRESS (P.O. Aux. MOP. and		D4 SIC CODE	03 STREET ADDRESS (F.O. am. MO	IF, etc.)	04 BIC CODE
	IOARTATE	107 20 CODE	OS STY	IOS STATE	07 ZP CCDE
OS CITY	V65:015	07 <i>2</i> 42.00	90 GITT		or conte
DIMAME		02 D+8 NUMBER	01 NAME		OZ D+B NUMBER
hti spere :					
D3 STREET ADDRESS (P.O. Box, APD 4, CHL.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box. MFD) (. etc.)	04 SIC CODE
				<u> </u>	
DS CITY	OS STATE	07 2P COOE	D6 CITY	06 STATE	07 ZIP CODE
O1 NAME		02 D+B NUMBER	D1 NAME		02 D+B NUMBER
<u> </u>		104 EVC CODE	AS PERSON APPROPRIATE OF SILL OFF	222	104 000 0000
03 STREET ADDRESS IP.O. Son. MPD F. 600.		معصيد	03 STREET ADDRESS (P.O. ave. APO	*. **	04 SIC CODE
DECITY	DESTATE	07 20 COOE	05 CTTY	IDE STATE	107 ZP CODE
GE CALL					
		err removements can compromise and constraints of the	AND SHOULD SEE A COMMISSION OF THE SECOND SE		
V. SOURCES OF INFORMATION	'				See to the second of the second of
1-40-0	VII. 1. 6.		iter Resources	CHAC	

	A 11 1	PO'	TENTIAL HAZ	ARDOUS WASTE SITE	I. IDENTIF	all was not " of dist a manufacture to the second
\$EPA			SITE INSPE	CTION REPORT TOR INFORMATION	O' STATE CO	SITE NUMBER
IL CURRENT OPERATO	R Property & different traps	-		OPERATOR'S PARENT COMPA	NY (Factoria)	
D1 NAME		0	2 D+8 NLAGBEA	10 NAME		11 D+8 NUMBER
03 STREET ADDRESS P.O. &	s, 8601, 63.)		O4 SIC CODE	12 STREET ADDRESS (P.O. das, APO F. com.)		13 SIC COOE
OS CITY	1	06 STATE	7 27 COOE	14 007	18 STATE	16 2P COOE
DE YEARS OF OPERATION	DO NAME OF DWINER		1.		,	
IIL PREVIOUS OPERAT	N8(8) 4 m cm mm to			PREVIOUS OPERATORS' PAREI	VÝ COMPANIES -	
DI NAME	Ov(9)		2 D+8 NUMBER	I O NAME	NI COMPANIES &	11 D+S NUMBER
		- 1				
D3 STREET ADDRESS (F.O M	n. MD e, em.)	<u></u>	04 SIC CODE	12 STREET ADDRESS (P.D. dos. MOF. de.	,	13 BIC CODE
OB CITY	,	OS STATE	OF ZIP COOE	14 OTY	18 STATE	16 29 CODE
DE YEARS OF OPERATION	DO NAME OF DWNER	UNING THIS	PERIOD			
DI NAME			2 D+8 NUMBER	10 MAME		11 D+8 NUMBER
03 STREET ADDRESS (P.O. a.	MD(mm.)		04 SIC CODE	12 STREET ADDRESS (P.C. See, APD 4, mi.	,	13 BIC CODE
06 CITY		DE STATE)7 ≥> 000€	14 977	18 STATE	16 ZP CODE
OS YEARS OF OPERATION	09 NAME OF OWNER	DUTING THE	PERIOD		· · · · · · · · · · · · · · · · · · ·	
D1 NAME			22 D+8 NUMBER	10 NAME		11 D+8 NUMBER
03 STREET ADDRESS (P.O. au	c. 850 5. cm.)		04 SIC CODE	12 STREET ADDRESS (P.O. Ball, MFD+, call	J	13 8/C COOE
OS CITY		OS STATE	97 20º COOE	14 GTY	15 STATE	16 2P COOE
08 YEARS OF OPERATION	DO NAME OF OWNER	DUPING THE	PENOD			
IV. SOURCES OF INFO	RMATION -	e morespe. O.	p., state Dcs. corces area	rcs. 400/0)		
						The second second second second second

ŞEPA			SITE INSPE	ARDOUS WASTE SITE	I. IDENTIFIC	make the term was a second or the second
		PART 9	- GENERATOR/T	RANSPORTER INFORMATION		
II. ON SITE GENERATOR		-	D2 D+8 NUMBER		- 	
STREET ADDRESS P.O. am.	90 0. 02. 1		04 SIC CODE			
DS CATY	1	OS STATE	07 ZP GODE			
IL OFF-SITE GENERATO	R(S)					
OI NAME	. 1		02 D+8 MARBER	D1 NAME		DE D+8 NUMBER
STREET ADDRESS P.D. CO.	1701. (BL)	- A	04 SIC CODE	03 STREET ADDRESS (P.D. San. MOP. etc.)		94 SC CODE
DE OTTY		06 STATE	07 ZP COOE	OS CITY	OS STATE	07 2P COOE
DI NAME	The second of th		O2 D+8 NUMBER	D1 MANE		02 D+B NUMBER
STREET ADDRESS (P.O. Bac.	W07.00J		04 SIC CODE	03 STREET ADDRESS (P.D. dec. 8707. cm.)		04 8IC CODE
DE CITY		OS STATE	07 2P CODE	05 OTY	OS STATE	07 ZP CODE
IV. TRANSPORTER(S)		1				
01 NAME			02 D+B NUMBER	O1 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. MIL	970 F. (ML)		04 SC COOE	03 STREET ADDRESS (F.O. and AFD F. and.)		04 SC 000E
06 CITY	, , , , , , , , , , , , , , , , , , ,	06 STATE	07 ZP COOE	es GTY	DE STATE	07 20 COOE
O1 NAME			02 D+8 NUMBER	O1 NAME		D2 D+8 NUMBER
O3 STREET ADDRESS P.O. Sm.	NO (. m.)		04 8IC CODE	03 STREET ADDRESS (P.O. and. RFD F. ML.)		04 SIC CODE
OS CITY		DS STATE	07 20 COOE	05 CITY	OS STATE	07 ZIP CODE
V. SOURCES OF INFORI	MATION (Cas come	a: aleates.	L	ua: essetu)		
						•
		• a = 0,				
		1 14 1				
		• • •				

\$EPA	POTENTIAL HAZ SITE INSP PART 10 - PAST	ECTION REPO	RT		L IDENTIFICATION OF STATE DO SITE NUMBER
E. PAST RESPONSE ACTIVITIES			THE THE PARTY OF T		
01 TA. WATER SUPPLY CLOSED 04 DESCRIPTION		2 DATE	. 1.46	AGENCY .	
01 D B. TEMPORARY WATER SUPPLY PRO 04 DESCRIPTION	OMDED	22 DATE	0	S AGENCY .	
01 D.C. PERMANENT WATER SUPPLY PRO 04 DESCRIPTION	OVIDED (DZ DATE	•	3 AGENCY	
01 D D SPILLED MATERIAL REMOVED 04 DESCRIPTION		D2 DATE		3 AGENCY	——————————————————————————————————————
01 X E CONTAMINATED SOL REMOVED 04 DESCRIPTION		DE DATE / POTIL	1982 C	3 AGENCY	PIVISION OF WHEY RESOURCES
01 D.F. WASTE REPACKAGED 04 DESCRIPTION		OZ DATE		3 AGENCY	
O1 & G. WASTE DISPOSED ELSEWHERE O4 DESCRIPTION Application THE PARTY OF THE PROPERTY OF THE PARTY OF THE	d ³ of Sudge	OZDATE LAPP	May, 1982	AGENCY	DIVISION OF WATER RESOURCES
01 D.H. ON SITE BURIAL 04 DESCRIPTION		02 DATE	*	AS AGENCY	
OT DIL IN SITU CHEMICAL TREATMENT 04 DESCRIPTION		C2 DATE	· · · · · · · · · · · · · · · · · · ·	3 AGENCY	
01 D.J. IN SITU BIOLOGICAL TREATMENT O4 DESCRIPTION		02 DATE		DS AGENCY	
01 D K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION		OZ DATE		03 AGENÇY	
01 D L BICAPSULATION 04 DESCRIPTION	marri yazi esi — v	02 DATE		03 AGENCY	
01 DM. EMERGENCY WASTE TREATMEN 04 DESCRIPTION		02 DATE		03 AGENCY	
01 D. N. CUTOFF WALLS 04 DESCRIPTION		D2 DATE		03 AGENCY	
01 D O. EMERGENCY DIKING/SURFACE OF DESCRIPTION	WATER DIVERSION	O2 DATE		03 AGENCY	
01 D P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION		02 DATE		03 AGENCY	
01 D Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION		O2 DATE		03 AGENC	

\$EPA	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES	L IDENTIFICATION OF STATE OF SITE MANGER
I FAST RESPONSE ACTIVITIES		
01 E. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	OZ DATE	O3 AGENCY
01 D 8. CAPPING/COVERING 04 DESCRIPTION	OZ DATE	03 AGENCY
01 D.T. BULK TANKAGE REPARED 04 DESCRIPTION	CO DATE	D3 AGENCY
01 D U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	OS DATE	. 03 AGENCY
01 D. V. BOTTOM SEALED D4 DESCRIPTION	OZ DATE	O3 AGENCY
01 D W. GAS CONTROL 04 DESCRIPTION	OZ DATE	D3 AGENCY
01 DIX PIRE CONTROL 04 DESCRIPTION	02 DATE	C3 AGENCY
01 D.Y. LEACHATE TREATMENT 04 DESCRIPTION	OZ DATE	03 AGENCY
01 D 2. AREA EVACUATED 04 DESCRIPTION	OZ DATE	03 AGENCY
01 () 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE	. 03 AGENCY
01 D 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE	O3 AGENCY
01 D.3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION L.E. CAMPONTEIN U.A.C.	Company is currently	E WARRY NOTEP DIVERSE
RIMANINA Schents 110	ativi won the surtain	+ The glowns con
However, the NJVE-1	pelieves that the confine	dequate to properly
cleanup the entiress	taid Life Corpenter mus	e-19-for more informu
CONCERNING THIS MACHEL		

NJOEP, DIVISION OF water Resources files.

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

DI STATE OF SITE NUMBER

IL ENFORCEMENT INFORMATION

DI PAST REGULATORY/ENFORCEMENT ACTION DIVES DINO

OF DESCRIPTION OF FEDERAL STATE, LOCAL REGULATORY/BIFORCEMENT ACTION

On January 29,1982 LIE. Carpenter and the NJOEP entered into an Administrative Consent order (ACO) which required LIE. Carpenter to remove waste study that the impoundment. The ACO also required LIE. Carpenter to fully delineate the pollutant plume in the ground water surface ground water, to remove the solvents flouting upon the ground water surface and to decontaminate, the ground water to a concentration of loo purts per billion of total volatile organic chemicals.

In April 1982 and May 1982 L.E. Corpenter removed to an offsite location in Pennsylvania over 4000 cubic yards of sludge from the impoundment and associated containing ted soils. L.E. Corpenter has legal removing the solvents floating again the ground water surface by using an Autoskimmer.

However the NTDEP questions the applicability of Using an Autoskimmer at this site The NJDEP believes that a Significant portion of the solvent plume remains unoffected by the eutoskimmer and the NJDEP questions the applicability of the autoskimmer at this site. In letters dated October 10,1989, December 6,1989 and December 21,1884, as well as during a meeting held on December 11,1984, the NJDEP intermed LIE Corpenter of these concerns and directed L.E. Competitor to recompetable groundwater decontamination system. However, to date LIE, Corpenter has not satisfactedly responded to these concerns the NJDEP believes that if LE Carpenter continues its gressest course of action, the Site will not be properly cleaned up

IIL SOURCES OF INFORMATION (Cito appetite references, e.g., state their appete profess, records)

Appendix A

well #5 is an apgradient well

Chem-25 Attachment #		STREAM	Y STATE	DEPAR	TMENT	OF HEA		Time å	Date Red Labs	cived	Windows and the second
		•	1	tou 3	0 41	Li.	•	Lab. N			<u> </u>
PLEASE TYPE OR PRINT	11	F	IELD II	ar a steak a	IATION		•		Δ.		
WITH BALLPOINT PEN				BIV WA	TDate P	f Collec	tion		5-	18	19 🕰
					Hour_	- (:	15	A.M	I. <u></u>	P.M	
Sample No	497	25	· · · · ·		Compo	osite Pe	riod_G	RAB	Inte	erval	
	•	•			Collect	ted by 1	CUN	MIN	MA	n	
Municipality Wharton	1				Residu	al Chlo	rine: ediate _				
Plant LE Carpente	~		· ·							* 500°	
Stream				•	701 7		loped _	-	·		
Location _ N. Main	4				Flow F						
	5/	4.1.			Tempe	1					
Description and Remarks:		yag		E		ple-	310	Age	<u>"/az</u>	Oun	· · · · · · · · · · · · · · · · · · ·
			lnac	tive	wa	5/0	imp	ound	me	nt)	
	· 				ينين		·				. = =
Dillegation	ITEN		LED BEL		UNSAT			•			
Dilutions Requested (Bacteriological)	J.	10	. 1	10-	10-2	10-	10-4	10-5	10-0	3	
(Auctoriological)	,	-			- 1				1		
		LA	BORAT	ORY R	ESULT	S	-				,
			BACTE	RIOLOG	ICAL		. , ,				
Coliform MPN/100 ml.			(Confi	rmed To	st); Fec	al Colif	orm MP	N/100 r	nl.	<u> </u>	
Fecal Streptococci:MPN/100 ml.							ther _	GN GN	= 5331-06	TECTABLE; I. Rele Hunts	e belbil
mip kylene 50000 L							•		<u> </u>	mpit tidlið	#CC-113_F-24
O Xylene 50000L						*			ńct	3 0 19	ጸበ
STYRENE 5000L			•		• • • • • • • • • • • • • • • • • • • •				001	0 9 10	
NONANE 50000 L CUMENC 5000 L CHE	MICAL	AND PH	YSICAL	ΔΝΔΙ Υ	SES Imae	تحضا	- خاقم ممثل		R.C	PORT SUCK	ITTEO
			-			Kg.	ness othe	rwise not	ea liv. of	KOFAROSAL	111ED # EPID.
Color (units)	Chlo	ride			Sulfate			0	ther De	termina	tions
Odor (cold)	Susp	ended S	Solids		Grease	& Oil					21.450
Turbidity (units)	Ash				Cyanid			1 2	Humi	2004-	4.1.
рН	Tota	l Solids				ium Tol	al		200		300K
Acidity to pH 4	Ash		 -,- ,- ,	11		um He		1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	9214 2.100 V	mo.	200K
Alkalinity to pH 4		l PO ₄	- 1 888 (486 - 18			4 444.00	<u>K. </u>	<i> ጟ</i> ``			um 14.8
Nitrite N					Ortho -		<i>, ,</i>	-Ci	lver	0.0	Party and the second
Nitrate N	MBA				Copper			In	cke	11.	259
	Phen			-14	Lead		65	1/	05	CAN	PPP
Ammonia N	COD			14	Arsenic	0.00	5K	chlop	ofoem		203
Total Kjel. N	Iron			4	Zinc	328.	13	b-2			79
	2		-cymei	•	3 <i>5</i>	774		hepta			63
	03	bu	tyl bei	uzene	11	En	•				4526
esitylene 39	T B	IOCHEN	IICAL O	KYGEN	DEMAND) (mgs./ti	ter)	PETA	je.		208
Field D.O.	Lab.	D.O.		Saad	Require	d.	TRI	· Diaso <		<u>ve</u>	48
Sample Conc. % PLEASE CIRCLE	0.1	0.2	0.5			7777	Yes	T	No	,	
BOD5	7:1	0.4	U.3	1.0	2.0	5.0	10	_ 25	50	75	100
		L	L	<u> </u>	<u> </u>		<u> </u>	100 1 00 10			

	Hillacomen (" nem-25 ept. 75		STREAM	STATE	DEPAR JEWAT	EA WIN	HEA		Time & By I Lab. N		cived	
	ASE TYPE OR PRINT IH BALLPOINT PEN			IELD IN		M3:6E OI	Collect					19 &
Sar	nple NoCo	744	8			No.	_/ <u>2 !</u> site Peri			1		V
Mu	nicipality Whart	010				Collect	ed by 🚄	<u> </u>	NGHA		ENNO	
	nt LE Curpen					*	Immed			· · · · · · · · · · · · · · · · · · ·		
	eam	, , , , , , , , , , , , , , , , , , , ,				7 11 5	Develo	oped		-,-,-,-,-,-,-		
	cation	·G-				Flow R		2 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -				
	scription and Remarks:		Section 1	12-11	#	Tempe			.)		en e	
	eriprion and Remarks.		<i>\underset</i>	Verl	_/	al	mia	-def	74	் நேர்		
tion.							,					
				:	~ ~ ~ .							
<u>.</u>	Dilutions Reques	ted	10	LED BEL	10-1		10.3		10-5	10.6	ព	,
	(Bacteriologica			1			1	10	10-5	10.4		·· .
•			1.0	BORATO	npv ñ	ECLU TO					,	
. •				BACTE				 .	•			
Col	iform MPN/100 ml.			(Confir			-1 O-14-	- ioni	14100			
	cal Streptococci:MPN/100 r	ńl		(Contin	med 16	si), reci			ם מון מים מים אלי	n I. = !!OK-BITI	CTÁCLE; I. E.	BELGW
•						•	Ot	her				विवास स
					•				• •	AAT :	100	0
· ·				**						UCI:	3 0 1980	U
	c	HEMICĂI	AND DH	VSICAL	ARIAI V	ee t	n.			Pren	at syemiti	60
г		HEMICAL	ANDER	TSICAL A	ANALY	SES (mgs.	/liter, uni	ess other	wise not			F CLUT
	Color (units)	Chlo	ride	33		Sulfate			O	her De	terminal	ions 41
	Odor (cold)	Susp	ended S	Solids 19	1 4	Grease	& Oil	1.9	-			luctar
	Turbidity (units)	Ash				Cyanide			1 1 -	BO		1 .9
	рН	Tota	l Solids	272			um Tota	3015V	_	To be a second		
	Acidity to pH 4	Ash	•				um Hex				eny O	
. [Alkalinity to pH 4		l PO4	7.1		Ortho -		•		FOIT	Λ 1	00 1
~~ 	Nitrite N	MBA					0.010	V	-7.1	0.070	W 11	0,05 0,05
	Nitrate N			122								• •
- [Ammonia N	COD			1.1		0.005				0.005	
f	Total Kjel. N	Iron			14	/	0.00		ni		0.03	
L				<u>ch</u>	100	Zinc	0.65	3	$\perp \nu$	<u>0</u> J	<u>Can</u>	/ppg
	decane p-symens butyl benzane	2 12 3.9 B	JOCHEN	IICAL OX	P XY/	ene g lene 1	3.7 727 697	1	NONA	m	69-	
٠٢	Field D.O.			1		*****		el 1		leve		* /* •
., <u> </u>	The Control of the Co		D.O.	access when a con-		Require		Yes		No	٠	
F	Sample Conc. % PLEASE CIRCLE	0.1	0.2	0.5	1.0	2.0	5.0	10	25	50	75	100
Ļ	BOD ₅									****	-	

	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N Total Kjel. N Field D.O. ample Conc. % PLEASE CIRCLE	Ash Tota Ash Tota MBA Phen COD Iron	l Solids l PO4		YGEN	Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc DEMAND	um Tot um Hes PO4	m bu	heuz tolu m, p G-x Style Non Cun cun	ene xylen ylene cene vane nem	Edm e	50,000
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N Total Kjel. N	Susp Ash Tota Ash Tota MBA Phen COD Iron	l Solids l PO4			Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc	um Tot um Hex PO4	m bu	heuz tolu m, p G-x Style Non Cun cun	VO. ene xylen ylene cene cene cene cene cene cene cene	Edm e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N	Susp Ash Tota Ash Tota MBA Phen COD	l Solids I PO4	olids		Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic	um Tot um Hex PO4		heuz tolu m, p G-x Style Non Cun cun	VO. ene xylen ylene cene cene cene cene cene cene cene	Edm e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N	Susp Ash Tota Ash Tota MBA Phen COD	l Solids I PO4	olids		Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic	um Tot um Hex PO4		heuz tolu m p G-X Siyi Non Cun	VO. ene ene ylene cene cene nem nem	lean e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N	Susp Ash Tota Ash Tota MBA Phen COD	l Solids I PO4	olids		Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic	um Tot um Hex PO4		heuz tolu m,p G-x Styl Non Cun	VO. eve eve xylen ylene cene come	lcan e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N	Susp Ash Tota Ash Tota MBA Phen	ended S I Solids I PO4 AS	olids		Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead	um Tot um Hex PO4		heuz tolu m p G-X Styl	VO. ene xylen ylene cone cone	lcan e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4 Nitrite N	Susp Ash Tota Ash Tota MBA	ended S I Solids I PO4	olids		Sulfate Grease Cyanide Chromi Chromi Ortho Copper	um Tot um Hex		heuz telu mp a-x	VO. ene ene xylen ylene cene	lcan e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4 Alkalinity to pH 4	Susp Ash Tota Ash Tota	ended S I Solids I PO4	olids		Sulfate Grease Cyanide Chromi Chromi Ortho	um Tot um Hex		beuz telu m,p G-x	VO ene ene xylen ylene	lcan e	<u></u>
	Color (units) Odor (cold) Turbidity (units) pH Acidity to pH 4	Susp Ash Tota Ash	ended S	olids		Sulfate Grease Cyanide Chromi	um Tot um Hex		heuz tolu mp	VO eve eve xylen	lean e	
	Color (units) Odor (cold) Turbidity (units) pH	Susp Ash Tota	ended S	olids		Sulfate Grease Cyanide Chromi	um Tot		1242 4014	VO.	Can	
	Color (units) Odor (cold) Turbidity (units)	Susp Ash	ended S	olids		Sulfate Grease Cyanide			beu2	10.		
	Color (units) Odor (cold)	Susp		olids		Sulfate Grease		7		VO.		
F	Color (units)					Sulfate			o			
					-TT				1 1 5			
					ল'ল চলচ ₹ ্	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	, , , , , , , , , , , , , , , , , , ,	anie	ATISE IIO	·ent A		क व द्राप्त,
		FORMO				SES (mgs.	*			Die	ГЗ 0 19 Port subm	
	al Streptococci:MPN/100 m	l, <u></u>					O	ther _	.,, + 0 0	CETEG	Table (197)	i. E. Shigh S 27 (Cap)
Colif	form MPN/100 ml			BACTER (Confirm		GICAL est); Feca	ıl Colife	orm MP	N/100 :	ml—	erraria.	
			LAE			RESULTS	e Light				-	•
	(Bacteriological)										J	
	Dilutions Requeste		10	LED BELC		E UNSATI 1 10-2	SFACTO		10-	5 10.6	f] .	•
-			 									est_
			<u> </u>		100000000000000000000000000000000000000					conce		
	cription and Remarks:			Wel	<i> #</i>	3 at		of u	suter	- coli	ulner	3
oca	ation N. Main	St				Temper				- 12 201221		
trea	am		varia year and to			Flow R		÷ -h-# ===				
lan		er					Devel	diate oped		* * * * * * * * * * * * * * * * * * * *	The same of the sa	
lun	nicipality What	2 <i>1</i> /1		. ,		Collecte Residua	u Chior	ine:	NG H	an, M	ENNE	L, MI
	ple No	946			en e					Inte		
am					. 		• -		_ A.N	1. <u>V</u>	P.M	•
am	· · · · · · · · · · · · · · · · · · ·					MS&E	Conec					1a (
VI TH	SE TYPE OR PRINT I BALLPOINT PEN	<i>.</i> 7.		N.	IN AV	T Wate of	٤ ٩ يا پين	tion		8-11	β	. 10
VI TH	SE TYPE OR PRINT I BALLPOINT PEN			ELD IN	FORM	TER ANAMATION	Hi.	tion	Lab. N		ß	10

Atte	de inest	5, y	JERSEY	STATE DI	EPAR1	MENT O	F HE/	n.	11	· · · · · · · · · · · · · · · · · · ·		
Chem-25 Sept. 75	102 112 19 C	J's	TREAM	STATE DI	ĘWAT	ER ANAL	YSIS	لتجد	Time & By L Lab. No		eived	
PLEASE TYPE OR PRINT			И) - 1-1	ELD INF	ORM	A LUON Date of	Collect	ion		P	-10	10
WITH BALLPOINT PEN			Đ	IA W. W.	5 0.1	Hour_						
Sample No.	C04	973		<u> </u>	• •			* 1 to 1 t			rval	
Municipality 4	lhacto	a				Collecte Residua	ed by C al Chlori Imme	me:	ghar	Men	nel	Mille
Plant_LE CA	coente	<u></u>				• • .	Develo	ped				
Stream						Flow R						The Manney of Balling
Location	Mary	St.				Temper	ature					
Description and Rem			w	011	#4	at		- deso	th.			
			9					''			100	
												
		ITEM	S CIRCL	ED BELOV	W ARE	UNSATI	SFACTO	RÝ	:			-
Dilution	s Requested		10	i		10-2	10.3	TARREST STATE OF THE STATE OF T	10.5	10-6	<u>ទ</u> ា	•
(Bacte	eriological)		ļ			1]	. 9
			1.ΔΕ	ORATO	RV R	EQUI TO		•				
•				BACTERI				•				
			7 y						•			• •
Coliform MPN/100 m	1	_		(Confirm	ad To	ct). Poor	d Califa	AADI	いけんへ ニ	- 1		
Coliform MPN/100 m			9.5	(Confirm	,				N/100 n	al. — no	N-DETECTAN	F I F are
Coliform MPN/100 m Fecal Streptococci:M			9.5	(Confirm	,	st); Feca		orm MPI ther	N/100 m	110 = 110	N-DETECTAS!	E; I. E. 851
•			9.5		,				N/100 m	10 = 10 10	ittiauti (j.	1.5 % 12
			9.5		,				N/100 n	10 = 10 10	N-DETECTAS! HISTARIE DE CTS 0	1.5 % 12
			9.5		,				N/100 n	10 = 10 10	CT30	15 K 13 1980
	PN/100 ml						Ot	ther		0 = 100 0 0	CTSO	1980
Fecal Streptococci:M	PN/100 ml	EMICAL A	AND PHY	/SICAL AI		SES (mgs.	Ot	ther	wise not	10 = 10 bt O (ed) Oly.	CT 3 O Reperi su De laborate	1980 1980 SMITTO DEES & EM
Fecal Streptococci:M	PN/100 ml	EMICAL (AND PHY	(SICAL AI	NALY:	SES (mgs.	/liter, un	ther	wise not	O (ed) Siy.	CT 3 0 REPORT SU REP	1980 MITTO MIS & 19 tions 3
Color (units) Odor (cold)	PN/100 ml	Chlo Susp	AND PHY	/SICAL AI	NALY:	SES (mgs. Sulfate Grease	/liter, uni	less other	wise not	O (ed) Siy.	CTS O REPERT SU REPE	1980 MITTED SMITTED SM
Color (units) Odor (cold) Turbidity (un	PN/100 ml	Chlo Susp Ash	AND PH\ ride ended S	SICAL AI	NALY:	SES (mgs. Sulfate Grease Cyanide	/liter, uni	ther	wise note Of Spe	Of ther De	CT 3 0 REPORT SU REP	1980 080 000 01 0 223 01 0 223 01 0 233 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Color (units) Odor (cold) Turbidity (un	CHILL Chits)	Chlo Susp Ash	AND PHY	SICAL AI	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi	/liter, uni	1 ther	wise note Of Spe	Of ther De	CTS O REPERT SU REPE	1980 080 000 01 0 223 01 0 223 01 0 233 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Color (units) Odor (cold) Turbidity (un pH Acidity to pH	PN/100 ml	Chlo Susp Ash Tota Ash	and PHY ride ended S	(SICAL AI 26 olids 66 318	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi	/liter, uni & Oil um Tot um Hex	1 ther	wise nate	ed) Jy. ther De	CT 3 0 REPORT SU OF LABORATE terminal CANA 14 Ony C	1980 MITTED
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to	PN/100 ml	Chlo Susp Ash Tota Ash	and PHY ride ended S I Solids	(SICAL AI 26 olids 66 318	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho	/liter, uni & Oil wm Tot um Hex	ther	wise not	ed) Jy. ther De cific of time tant	CT30 REPORT SU SE LASSEAN LETTINA L	1980 SMITTED S
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N	PN/100 ml	Chlo Susp Ash Tota Ash Tota MBA	AND PHY ride ended S I Solids I PO4 (/SICAL AI 26 olids 66 318	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper	/liter, uni & Oil um Tot um Hex PO4	10 K	wise note Of Spe F An An An An An An An An An	ed) SW. ther De cific of time tami	REPORT ST. REPORT ST. DE LABORATE termina CON d 14 Out C	1980 MITTED
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N	PN/100 ml	Chlo Susp Ash Tota Ash Tota MBA Phen	AND PHY ride ended S I Solids I PO4 (C)	(SICAL AI 26 olids 66 318	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper	/liter, uni & Oil um Tot um Hex PO4 O. Oo.	less other 5.6 0.0/5 10 K	wise not	ed) on ther De cifk	CT30 REPORT SU ST LASSEANT THE CONTROL ON CO O	1980 SMITTD
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen	AND PHY ride ended S I Solids I PO4 (C)	/SICAL AI 26 olids 66 318	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic	/liter, uni & Oil um Tot um Hex PO4 O. O.	10 K	wise not	ed) ON. ther De cifk of the tand uer ckf	ETS 0 REPORT ST OF LABORATE LETTINA LETTINA LETTINA ON LETINA ON LETTINA ON LETINA ON LETIN	1980 MITTO MIT
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N Total Kjel. N	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen COD Iron	ride ended S l Solids l PO4 (C S ols 0.	(SICAL AI 26 olids 66 318	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc	liter, uni liter,	10 K	wise nate Of Spe F A A A A A A A A A A A A A A A A A A	ed) OH. ther De cific of time tame tame tame of Column cke	ETS 0 REPORT ST OF LABORATE LETTINA LETTINA LETTINA ON LETINA ON LETTINA ON LETINA ON LETIN	1980 SMITTD SMITTD SMITTD SMITTD SMITTD SMITTD SMITTD SMITTD SMITTD 1980
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N Total Kjel. N	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen COD Iron	ride ended S l Solids l PO4 (C S ols O.	(SICAL AI 26 olids 66 318 0.39	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc	/liter, uni & Oil um Tot um Hex PO4 0.00	less other 5,6 0.0/5 al K S K O T T T T T T T T T T T T	wise note Spe F An Li Li Li Ne Ne	ed) SW. ther De cafec tand tand to for Column	CT30 REPORT ST OF LABORATI LETTINA LONG ON CO	1980 MITTO MIT
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N Total Kjel. N TRichloro Shyle	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen COD Iron	ride ended S l Solids l PO4 (C S ols O.	(SICAL AI 26 olids 66 318 0.39	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc	/liter, uni & Oil um Tot um Hex PO4 0.00	less other 5,6 0.0/5 al K S K O T T T T T T T T T T T T	wise note Spe F An Li Li Li Ne Ne	ed) SW. ther De cafec tand tand to for Column	CT30 REPORT ST OF LABORATI LETTINA LONG ON CO	1980 MITTO MIT
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N Total Kjel. N 1,2 dichloroethyle Tolueve	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen COD Iron	ride ended S l Solids l PO4 (C S ols O.	(SICAL AI 26 olids 66 318 0.39	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc	/liter, uni & Oil um Tot um Hex PO4 0.00	less other 5,6 0.0/5 al K S K O T T T T T T T T T T T T	wise note Spe F An Li Li Li Ne Ne	ed) SW. ther De cafec tand tand to for Column	CT30 REPORT ST OF LABORATI LETTINA LONG ON CO	1980 MITTO MIT
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N Total Kjel. N 1,2 dichloro ethyle	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen COD Iron B	ride ended S l Solids l PO4 (C S ols O.	(SICAL AI 26 olids 66 318 0.39	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho Copper Lead Arsenic Zinc	liter, uni	less other 5,6 0.0/5 al K S K O T T T T T T T T T T T T	wise note Spe F An Li Li Li Ne Ne	ed) SW. ther De cafec tand tand to fo	CT30 REPORT ST OF LABORATI LETTINA LONG ON CO	1980 MITTED
Color (units) Odor (cold) Turbidity (un pH Acidity to pH Alkalinity to Nitrite N Nitrate N Ammonia N Total Kjel. N 1,2 dichloroethyle Total eve	CHILL	Chlo Susp Ash Tota Ash Tota MBA Phen COD Iron B	and Phyride ended S I Solids I PO4 (C.S. ols O.	(SICAL AI 26 olids 66 318 0.39	NALY:	SES (mgs. Sulfate Grease Cyanide Chromi Chromi Ortho- Copper Lead Arsenic Zinc 238 12 521 DEMAND	liter, uni	less other 5.6 0.0/5 NO K S K O 9 2.5 VON A Lery P-C	wise note Spe F An Li Li Li Ne Ne	ed) SW. ther De cific of time tami tami tami tami tami 10.0 LUG 1112 128	CT30 REPORT ST OF LABORATI LETTINA LONG ON CO	1980 SMITTD

Chemi-25 Sept. 75	STREAM OR WASTEWATER ANALYSIS. Time & Date Received By Labs
PLEASE TYPE OR PRINT WITH BALLPOINT PEN	FIELD INFORMATION DIV WATTRAGE OF Collection Lab No. ### 19 ### 19 ########################
	Hour 12:40 A.M. P.M.
Sample No	Composite Period GRAB Interval
Municipality Whatton	Collected by CUNNING HAM, MCNNGL, MIL Residual Chlorine: Immediate
Plant 1 & Curpenter	Developed
Stream	Flow Rate
Location N. Main St.	Temperature
Description and Remarks:	Lell #4 at top of water column
	Waste Sample, consentrated solvens
IT	TEMS CIRCLED BELOW ARE UNSATISFACTORY
Dilutions Requested (Bacteriological)	10 1 10-1 10-2 10-3 10-4 10-5 10-6
Coliform MDN/100 ml	LABORATORY RESULTS BACTERIOLOGICAL
Coliform MPN/100 ml.	(Confirmed Test); Fecal Coliform MPN/100 ml.
Fecal Streptococci:MPN/100 ml	Other

CHEMICAL AND PHYSICAL ANALYSES (mgs./liter, unless otherwise noted)

Color (units)	Chloride	Sulfate Other De	erminations
Odor (cold)	Suspended Solids	# # # # W W W W W W W W W W W W W W W W	Scan PP
Turbidity (units)	Ash	Cyanide methylene chlo	
рН	Total Solids	Chromium Total With locoth	
Acidity to pH 4	Ash	Chromium Hex. Heptane	50000
Alkalinity to pH 4	Total PO ₄	Ortho-PO4 1,12 trichices	
Nitrite N	MBAS	Copper dipennachiaes m	
Nitrate N	Phenols	Lead tetrachives et	
Ammonia N	COD	Arsenic Drippel benzen	~
Total Kjel. N	Iron	Zinc Decement	50000

en enternation de servicion de 4. Compaño de 1920 de 1

BIOCHEMICAL OXYGEN DEMAND (mgs./liter)

Field D.O.		Lab.	D.O.			Require	ed:	Yes	•	013	0 1980)
Sample Conc. %	PLEASE CIRCLE	0.1	0.2	0.5	1.0	2.0	5.0	10	25	5 Ω ₂₀₀	75	100
BOD ₅											DVIJUIC ((01)



1157 ROUTE TO RANDOLPH NEW JERSEY 07869 201-584-0330

REP	ORT	DATE	: Novembe	r 6, 1	984
• • •				•	

LAB # 35270-A of AB

SAMPLE SOURCE: GEO ENGINEERING

SAMPLE ID: MONITORING WELL #1

SAMPLE DATE: 10/22/84

TAKEN BY: GEO ENG. AT LAB DATE: 10/22/84

<u>Parameter</u>	Result
BUTYL BENZENE	- N/D
CUMENE	- 11
DECANE	- 11
MESITYLENE (1,3:5 TRIMETHYLBENZENE)	.
STYRENE	- H

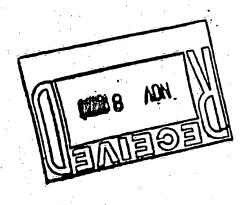
None of the above parameter detected at a sensitivity of

LT=Less than ND=Nothing Detected

INDUSTRIAL CORROSION MGMT., INC.

Edwin Tichenor Vice President

ET/jmg enci.





State Certified drinking water/wastewater Laborato . 1D #14116

REPORT DATE: October 31. 1984

LAB # 35270 - B of AB

VOLATILE ORGANICS BY PURGE AND TRAP

SAMPLE SOURCE: GEO ENGINEERING		SAMPLE ID	MONITORING WE	LL # 1 por 5	<u> </u>
SAMPLE DATE: 10/22/84	TAKEN BY: GEO E	NG.	_AT LAB DATE:_	10/22/84	
Compounds	is detected in parts per				
CHLCROMETHANE. BROMCMETHANE. DICHLORODIFLUOROMETHANE. VINYL CHLCRIDE. CHLCROETHANE. METHYLENE CHLORIDE. 1.1-DICHLOROETHANE. 1.1-DICHLOROETHANE** 1-1.2-DICHLOROETHANE** CHLOROFORM. FRESN 113. 1.2-DICHLOROETHANE. CHLOROFORM. FRESN 113. 1.1-TRICHLOROETHANE. CARBON TETRACHLORIDE. BROMODICHLOROMETHANE.	E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1,3-DICHLOROPR -1,3-DICHLOROPR CE (TRICHLOROET ,1,2-TRICHLOROET ENZENE IISOPROPYL ETHE -CHLOROETHYLVIN ROMOFORM 1,2,2-TETRACHL CE (TETFACHLORO OLUENE HLOROBENZENE THYLBENZENE	ANE CPENEA OPENEA HYLENE) THANEA HANEA R OROETHANE ETHYLENE)	12,	277 788
For the above listed volatile pollutant		t I ppb sensiti	vity level.		
Unknown peaks detected (Retention time	, estimated amount)				
LT=Less than, GT=Greater than, ND=Not detected	d **Tetrahydrofuran	& Phosgene als	o elute at this p	oint. Numerica	1 result

"Compounds elute together. Could be either are calculated for 1,1-Dichlorethane only. material.

NOTE: Compound identification is based upon retention time matches with specific known standards. Confirmatory analysis using GC/MS is required to positively identify any materials and/or amount detected.



1152 ROUTE 10 HANDOLPH NEW JERSEY 07869 201-584-0330

			٦.	A CONTRACTOR OF THE PROPERTY O
DEDART	A 4 7 F	:November	•	
REPURI	DALE	·NOVEMber	h.	IGNA
			· · ·	דטעו

LAB # 35271-A of AB

SAMPLE SOURCE: GEO ENGINEERING

SAMPLE ID: MONITORING WELL #2

SAMPLE PATE: 10/22/84

TAKEN BY: GEO ENG. AT LAB DATE: 10/22/8.

<u>Parameter</u>			 Result
BUTYL BENZENE			 N/D
CUMENE			 - 11
DECANE-7	1		 . 11
MESITYLENE (1,3.15 TRII	4ETHYLBE	NZENE)-	 . 11
STYRENE		= = = =	 - 11

None of the above parameter detected at a sensitivity of _____ 1 mg/l

LT=Less than ND=Nothing Detected

INDUSTRIAL CORROSION MGMT., INC.

Edwin Tichenor Vice President

ET/jmg encl.



*Compounds elute together. Could be elither

material.

State	Certified	drinking	water/wastewater	Laborato
10 /14	116		•	•

REPORT	DATE:	October	31, 1984	<u> </u>	
AB #3	5271 -	B of AB	·		

SAMPLE SOURCE: GEO ENGINEERING	TAKEN BY: GEO ENG.	AT LAB DATE: 10/22/84
SAMPLE DATE: 10/22/84		
Compounds	detected in parts per billion ((micrograms/liter)
CHLCROMETHANEL		DPROPANE
BROMOMETHANE		DROPROPENE
DICHLORODIFLUOROMETHANE	(-1,3-DTLHLU	DROPROPENE*
VINYL CHLORIDE		ORGETHANE
CHLOROETHANE	1,1,2-1816/16	ROMETHANE*
METHYLENE CHLORIDE	- 0 to 5 C to 5 C	COLIC TENENTS
ACETONE.	A LICADRADUL	ETHER
TRICHLOROFLUORCHETHANE	A CUI OROFTIN	LVINYL ETHER
1,1-DICHLORDETHYLENE	DOONDEODN	
1,1-DICHLOROETHANE#4	1 1 4 7 7578	ACHLORDETHANE
t-1,2-DICHLOROETHYLENE	nee dreamach	ILOROETHYLENE)
CHLOROFORM	TALLER	
FRECN 113		E
1,2-DICHLOROETHANE	PT IVE PENTENE	2,398
t-BUTYL METHYL ETHER.		17,152
1,1,1-TRICHLOROETHANE		6.111
CARBON TETRACHLORIDE		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
For the above listed volatile pollutants	, nothing detected at 1 ppb sen	sitivity level.
Unknown peaks detected (Retention time,		

NOTE: Compound identification is based upon retention time matches with specific known standards. Confirmatory analysis

using GC/MS is required to positively identify any materials and/or amount detected.

are calculated for 1,1-Dichlorethane only.



1152 ROUTE 10. RANDOLPH. NEW JERSEY 07869 201-584-0330

SAMPLE SOURCE: GEO ENGINEERING

SAMPLE DATE: 10/22/84

2	REPORT	DATE: November	6, 1984	
	LAB #3	5272-A of AB		
•	SAMPLE	ID: MONITORING	WELL #	3

TAKEN BY: GEO ENG. AT LAB DATE: 10/22/

_Parameter	•		Result
BUTYL BENZENE		***	
CUMENE			N/D
DECANET			• • •
MESITYLENE (1,3/5 TRIME	THYLBENZEN	E)	ii
STYRENE			

None of the above parameter detected at a sensitivity of __l _ mg/l

LT=Less than ND=Nothing Detected

INDUSTRIAL CORROSION MGMT., INC.

ET/jmg encl. Edwin Tichenor Vice President



State Certified	drinking	water/wastewater	Labor	ory
ID #14116	•	•		

EPORT DATE: October	31, 1984	
AB # 35272 - B of AB		<u>:</u>

VOLATILE ORGANICS BY PURGE AND TRAP GAS CHROMATOGRAPHY

SAMPLE SOURCE: GEO ENGINEERING	SARPLE IU_	MONITORING WELL #3
SAMPLE DATE: 10/22/84	TAKEN BY: GEO ENG.	AT LAB DATE: 10/22/84
Compo	ourds detected in parts per billion (mi	crograms/liter)
CHLOROMETHANE. BROMOMETHANE. DICHLORODIFLUOROMETHANE. VINYL CHECRIDE. CHLOROETHANE. METHYLENE CHLORIDE. ACETONE. TRICHLOROFLUOROMETHANE. 1,1-DICHLOROETHYLENE. 1,1-DICHLOROETHANE** 2-1,2-DICHLOROETHYLENE.	C-1,3-DICHLOROU 1-1,3-DICHLOROU TCE (TRICHLOROU 1,1,2-TRICHLOROU DIBROMOCHLOROME BENZENE DI'ISOPROPYL ETH 2-CHLOROETHYLVI BROMOFORM 1,1,2,2-TETRACH	OPANE. PROPENE* PROPENE* ETHYLENE) DETHANE* ETHANE* INYL ETHER.
CHLOROFORM. FREON 113. 1,2-DICHLOROETHANE. C-BUTYL METHYL ETHER.	TOLUENE	(OETHYLENE)
1,1,1-TRICHLOROETHANE	·· H-XYLENE O-XYLENE	41,100 20,190
For the above listed volatile pollu	tants, nothing detected at 1 ppb sensit	ivity level.
	Ime, estimated amount)	
- The second of		

"Compounds elute together. Could be either material. NOTE: Compound Identification is based upon retention time matches with specific known standards. Confirmatory analysis using GC/MS is required to positively identify any materials and/or amount detected.

are calculated for 1,1-Dichlorethane only.



1152 ROUTE TO RANDOLPH, NEW JERSEY 0/869 201-584-0330

WEL	ואט	DAIE	: NC	vem	ber o	 1904	 	
						* -		
LAD	ш .			_				
LAD	tt ,	35273	= A	OT	AB.			
	-					 	 	

				•	*						
SAMPLE	SOURCE:	GEO	ENGINEER	ING	9	SAMPLE	1 D :	MONITORING	WELL	# 4	
		-		- Contract of the contract	A STATE OF THE STA		. ' T '-			<u>"</u>	-,
2 I I M A 2	DATE.	10/2	2 / 2 /.	100	TAVEN	DV. AT			N. T.C.	10/00	10

Parameter.				Result
BUTYL BENZENE-				N/D
GUMENE == = -				n
DECANE TE				. 0
MESITYLENE			•	
(1,3;5 TRI	TETHYL	BENZENE) -	****	. !!
STYRENE		· · · · · · · · · · · · · · · · · · ·		. 11

None of the above parameter detected at a sensitivity of 1 mg/l

LT=Less than ND=Nothing Detected

INDUSTRIAL CORROSION MGMT. INC.

ET/jmg encl.

Edwin Tichenor Vice President



State	Certified	drinking	water/wastewater	Labor ory
D #1	4116	• • • • • •		

EPC	RT	DATE:_	Octobe	er 31.	1984	-	 	_
AB	#35	273 -	B of A	B		: 		_

VOLATILE ORGANICS BY PURGE AND TRAP GAS CHRONATOGRAPHY

SAMPLE SOURCE: GEO ENGINEERING	TAKEN BY: GEO ENG.	AT LAB DATE: 10/22/84
SAMPLE DATE: 10/22/84		
Compounds	detected in parts per billion	n (micrograms/liter)
CHLOROMETHANE	1,2-D CHLC	DROPROPANE
BROMOMETHANE		LOROPROPENE
DICHLORODIFLUOROMETHANE	t-1,3-DICH	HLOROPROPENE"
VINYL CHLORIDE.		HLOROETHYLENE)
CHLORDETHANE		CHLORCETHANE
METHYLENE CHLORIDE	NABRUDULDL	LOROMETHANE
ACETONE	BENZEREA	YL ETHER
TRICHLOROFLUORCHETHANE		THYLVINYL ETHER
1.1-DICHLORDETHYLENE	Z-UHLUKUE 1	INITERING LITERAL AND
1.1-DICHLOROETHANE**	DRUMUFUNM:	TRACHLOROETHANE
t-1.2-DICHLOROETHYLENE	1,1,2,2 %	ACHLOROETHYLENE)
CHLOROFORM	POLITICE CITETION	
FREDN 113	- 11 0005747	ZENE
1,2-DICHLOROETHANE	TTUVI DEN 7.5	NP
T-BUTYL METHYL ETHER		5,000
1,1,1-TRICHLOROETHANE		2,145
CARBON TETRACHLORIDE		
BROHODICHLOROMETHANE		
For the above listed volatile pollutants	, nothing detected at 1 ppb s	sensitivity level.
Unknown peaks detected (Retention time,	estimated amount)	

LT-less than, GT-Greater than, ND-Not detected Tetrahydrofuran & Phosgene also elute at this point. Note to the Compounds elute together. Could be either are calculated for 1,1-Dichlorethane only.

NOTE: Compound identification is based upon retention time matches with specific known standards. Confirmatory analysis using GC/MS is required to positively identify any materials and/or amount detected.



1152 ROUTE 10. RANDOLPH, NEW JERSEY 07869 201-584-0330

19 10 1 . 6) iz: i	- V [7	1 4 4 193	OVE	IDEI U	<u> </u>	707	
	9				- TOTAL SECTIONS			
LAB	#_	352	74-A	of	AB			
	_				2 70 - 72 74			

SAMPLE SOURCE: GEO ENGINEERING SAMPLE ID: MONITORING WELL #5

SAMPLE DATE: 10/22/84 TAKEN BY: GEO ENG. AT LAB DATE: 10/22/84

Parameter

BUTYL BENZENE----- N/D

CUMENE----- "

DECANE----- "

MESITYLENE

(1,3.5 TRIMETHYLBENZENE)---- "

STYRENE----- "

None of the above parameter detected at a sensitivity of 1 mg/1

LT=Less than ND=Nothing Detected

INDUSTRIAL CORROSION HIGHT., INC.

Edwin Tichenor Vice President

ET/jmg encl.



State	Certified	drinking	water/wastewater	Labo	DIA
10 #11	1116				

REPORT DATE: October 31, 1984

LAB # 35274- B of AB

VOLATILE ORGANICS BY PURGE AND TRAP GAS CHROMATOGRAPHY

SAMPLE DATE: 10/22/84	TAKEN BY: GEO ENG. AT LAB DATE: 10/22/84	_ =
Сопрси	nds detected in parts per billion (micrograms/liter)	v
CHLOROMETHANE		
BROMSHETHANE		
DICHLORODIFLUOROMETHANE		
VINYL CHLORIDE	TCE (TRICHLOROETHYLENE)	
CHLOROETHANE	1,1,2-TRICHLOROETHANE*	_
HETHYLENE CHLORIDE	DI BROMOCHLOROMETHANE	-
ACETONE	BENZENE	- ' ,
TRICHLOROFLUOROMETHANE	DI SOPROPYL ETHER	
1,1-DICHLOROETHYLENE	2-CHLOROETHYLVINYL ETHER	
1,1-DICHLOROETHANE**	BROMOFORM	
t-1,2-DICHLOROETHYLENE	1,1,2,2-TETRACHLORGETHANE	
CHLOROFORM	ASE TOPPER COLUMN TAIL A	
FREON 113		 .
1,2-DICHLOROETHANE	CHLOROBENZENE	_ :
t-BUTYL METHYL ETHER.		_ 🐷
1.1.1-TRICHLOROETHANE		
CARBON TETRACHLORIDE		 ,
BROHODICHLOROMETHANE		
DUDITO I CHEAUAITE LIBRES		
x For the above listed volatile polluta	ents, nothing detected at 1 ppb sensitivity level.	
Unknown peaks detected (Retention tin		

NOTE: Compound Identification is based upon retention time matches with specific known standards. Confirmatory analysis using GC/MS is required to positively identify any materials and/or amount detected.

LT-Less than, GT-Greater than, ND-Not detected

***Tetrahydrofuran & Phosgene also elute at this point. Numerical results

**Tetrahydrofuran & Phosgene also elute at this point. Numerical results

material.

Appendix B

LE CARPENTER A DAYCO COMPANY
WHATON, NEW JERSEY 07886

Senoral Files (GL Ziana) 4

La Comme Alkuff & comme organile sent to file

What for RECLIFE

OCT IP QUE AH 197

DIV WATER Octobers 13, 1982 ... MSAE

Mr. Joseph M. Mikulka Chief, Region IV Enforcement & Regulatory Services Division of Water Resources CN-024 Trenton, New Jersey 08625

RE: In the matter of L.E. Carpenter & Company Administrative Consent Order.

Dear Mr. Mikulka:

The following is L.E. Carpenter's assessment of how much waste plastisol remains at the L.E. Carpenter site located at 170 N. Main Street, Wharton, N. J. Included are the characteristics of such remaining material, potential hazard, and the basis for such an assessment.

FINDINGS

- (1) Excavation of the impoundment area required soil removal to a depth twice as great as estimated (8 to 12 feet) and 50% larger in area (approximately 11.000 sq. ft.) than projected by initial investigation from Wehran Engineering. This, in main part, was due to trench overflow and continued contact of soil by liquids eminating from buried drums which were ruptured during the removal process.
- (2) Based on a visual examination of the materials recovered from the impoundment, approximately 85-90% appeared to be soil. The majority of drums which were found stacked along the containment wall area of the tank farm contained <u>liquid plastisol</u> and solvent.;
- (3) At the conclusion of the excavation, no drums or liquid plastiso: waste areas were observed and the soil for the most part appeared to partially contain a dry clay like plastisol in a sporatic narrow and shallow vein so as to indicate fringe areas where previous overflow may have occurred. These areas apparently were covered by soil subsequent to plastisol overflow. Probing of these fringe areas was performed when the excavation had reached the point that it became apparent the bulk of waste plastisol was removed and only non liquid crumbly or clay like remnants remained.

It was estimated that the residue would not represent more than 12 - 3% of the total waste in the impoundment, based on the sporatic shallow nature of the remaining material and the fact that approximately 6,000 sq. ft. at a depth of 3 or 4 feet remained in question. Removal of said material would possibly require the excavation of an additional 900 cu. yd. and probably add 20-30% to the total cost of excavation.

(4) Excavation had shown the solid waste to be above the ground water table.

L.E. Carpenter feels that it should be given some consideration in its request for employing a cost benefit principle on any remaining residue. Wehran Engineering's original study indicated no significant waste areas outside the impoundment site already excavated. Further investigation of the site was done on October 19, 1981 when Wehran Engineering excavated four exploratory backhoe test pits concurrently with the installation of monitoring well #5. As is mentioned in Wehran's report, these pits were located on a line parallel to the Rockaway River and at approximately 70 foot intervals between monitoring wells #3 and #4. Observation of the soil stratification in these pits showed no evidence of a plastisol waste. L.E. Carpenter has excavated and disposed of 3500 cu. yd. (three times original estimates) of plastisol waste and soil at a cost of approximately \$1,000,000.

One of DEP's initial concerns was that the bulk of the contamination could "break loose" and find its way to the Boonton Reservoir. This concern should now be alleviated since not only the bulk of the material has been removed, but the quality of the remaining material in the ground shows it to be solid in nature and not amenable to movement.

L.E. Carpenter feels that the ground water quality question should now be addressed as outlined in the Administrative Consent Oxder.

Very truly yours.

L.E. CARPENTER & COMPANY

Frank Aron

Technical Director

FCA: AMR

PROPOSED GROUNDWATER DECONTAMINATION PROGRAM

for

L. E. CARPENTER AND COMPANY WHARTON, NEW JERSEY

Prepared by GeoEngineering, Inc. 100 Ford Road Denville, NJ 07834

October 31, 1983 Our File No. 83522

. . . Fire paints

/ ociver Flevation

This report presents our recommendations for separate remedial programs to recover solvents and to decontaminate ground water beneath the L. E. Carpenter property in Wharton, NJ. These recommendations are based upon data from previous investigations at the site which you have furnished to us, plus our own pumping tests and data analyses to determine aquifer characteristics. The intent of this report is to present for review and approval conceptual plans and a proposed sequence of activities to meet Consent Order requirements. Following that immediately.

EXISTING SITE CONDITIONS

Aquifer Characteristics

On October 11, 1983, pumping tests were performed at wells W-6, 7, 8, and 10. The tests were performed using a centrifugal pump discharging to the infiltration gallery. The drawdown and recovery at each pumping well was monitored using wells were monitored manually using an electric water level

The acquistion of early time data allowed the use of type curve analyses in the determination of the aquifer characteristics. The test results indicate permeability values of approximately 40 gpd/sq. ft. at wells W=6 and 10, 100 gpd/sq. ft. at well W=7. Considering that the wells tested are within a 100 foot radius, the permeability value at well W=7 would at first appear to be anamolous. However, considering that all the wells were constructed in a like manner using air rotary techniques and similar at all wells, and that pumping tests performed by others at well W=7 yielded similar results, it is assumed that the data within the limited area in question, must be considered quite variable.

With the above in mind, analysis indicates that at a pumping rate of 10 gpm at W-7 the drawdown influence would where the pumping.

Figure 1 represents the piezometric contours generated from water level measurements made on October 27, 1983. These are not contours of the solvent/groundwater interface. They are the water levels that would be present if the solvent were not depressing the water level and are the best indicator of the direction of groundwater flow. In general, groundwater movement is from the Rockaway River onto the site in both a northerly and

defente stack"

1

easterly direction with eventual discharge to the drainage channel along the eastern property line. Based on a permeability of 145 gpd/sq. ft. (the average of the pumping test results), a porosity of 30% and the gradient between W-9 and water entering the site is estimated at 450 feet per year.

Floating Solvent

Figure 2 presents and isopach map of solvent-saturated soil thickness, based on solvent thicknesses measured in the wells on October 11, 1983. The thickness of solvent measured in a monitoring well is usually greater than the thickness of solvents in the soil adjacent to the well. The thicknesses vary as a function of the specific gravity ratio of water and the solvent in question. The isopach reflects the thickness of solvent in the soil and is based on a specific gravity of solvent of 0.87. Table 1 tabulates the measurements and resulting thicknesses and elevations. Considering the volume indicated by the isopachs and assuming a specific recovery of 20%, we estimate that approximately 20,000 gallons of solvents could be recovered.

Groundwater Quality

Chemical analyses of groundwater samples collected and tested in accordance with Consent Order requirements have detected significant amounts of Xylene, Ethyl Benzine, and Toluene in the groundwater at monitor well locations. At the time of this investigation, this analytical data was the only chemical information available. The water samples tested by the laboratory were obtained from the monitor wells by a bailing technique; a plastic bailer was lower into the well to collect a sample from below the floating solvent layer, retrieved from the well, and its contents emptied into a sample container.

In our opinion, this sampling technique inevitably contaminates the groundwater sample and, therefore, the laboratory test results cannot be reliable representations of the chemical composition of the groundwater beneath the floating solvent layer. In order to produce reliable analytical results, the groundwater sample would have to be obtained by a technique which isolates the groundwater sample from the overlying solvents in the process of sample acquistion.

are white in a cold.

PROGRAM TO REMOVE SOLVENTS

The objectives of this program are: (1) to remove the layer of solvents floating on the surface of the water table (without regard to the thickness of the layer); (2) to control the boundaries of the solvent layer during the removal program, and; (3) to prevent off-site movement of the floating layer during the recovery operations. This program is based on the current information about solvent layer thickness and distribution, as shown in Figure 2.

Equipment and Procedure

upon the removal of floating product from the existing group of 2" and 4" wells, and that it be accomplished by use of the "AUTO-SKIMMER", an automatic skimming and bailing device, recommendation is based upon the ability of this device to diameter and to remove any thickness of floating solvent. The application, because the device may be quickly and easily moved changing thickness or location of the floating layer during the removal program.

Our recommendation of this equipment is based upon discussions with the manufacturer, inspection of units in operation in the field, and discussions with others who have experience in application of the device to similar problems.

The AUTO-SKIMMER should be positioned initially at well W-10, to begin solvent recovery nearest the maximum solvent thickness. Initial solvent recovery would be undertaken at a rate of 200 gallons per week or less, with the objective of matching the removal of solvent to the rate of its replenishment by return flow from the edges of the solvent layer back toward thickness.

After some period of initial solvent recovery without groundwater pumping, it will probably be necessary to enhance the water table depression at the recovery well by separate pumping of groundwater from that well. The pumping rate will be in the range of 10 to 30 gpm, depending upon which recovery well is being utilized, and upon how much control or depression of the water table is necessary to contain the floating solvent recharge flow from the Rockaway River, which is already having effect as shown in Figures 1 and 2. A similar, temporary property line boundary, particularly between monitor wells 2 and depression pump discharges its flow. This will create a

roundwater "mound" beneath the recharge trench, thus preventing low away from the solvent recovery area into the drainage ditch

olvent Disposal

The AUTO-SKIMMER contains an oil-water separator unit. The amount of water recovered with the floating solvent can inimized by adjusting the frequency of bailing cycles, articularly when solvent thickness is small. The water sparated from the solvent is usually returned to the well, uch as in the removal of a solvent film during the final stages clean up.

The solvent recovered by this unit is pumped to a crage tank, which is equipped with a level sensor control to event spillage by overflowing.

We recommend a solvent storage tank of at least 5,000 llons capacity. This will match the tank truck capacity of st waste-hauling contractors. The recovered solvent would be censed treatment/disposal facility.

nitoring Performance

Thickness of the floating solvent layer should be asured in the 2" and 4" wells weekly during the initial lyent recovery operation. These initial measurements will cilitate the adjustment of the solvent recovery rate so as to minish the boundaries of the floating layer slowly enough to nimize its breaking into several separate layers. After oduct thickness in the well monthly, except when the recovery erations are moved to a new well, when weekly frequency may be propriate to measure effectiveness.

Concurrent with measurements of solvent thickness, szometric levels in the water table aquifer will be measured tectly and calculated were necessary in order to monitor true szometric gradients and flow directions in the aquifer. This is the of special significance during pumping to depress the ter table elevation at the recovery well location.

A CONTRACTOR OF THE

UNDWATER DECONTAMINATION

The Consent Order requires "the removal of dissolved atile organic compounds from the groundwater". It is sonable to assume that solution of solvent compounds in the undwater occurs at the solvent-water interface and that solved solvents may exist in a zone of groundwater ediately below this interface. Obviously, the character of decontamination program depends primarily upon the thickness

APPENdixD



DEPARTMENT OF ENVIRONMENTAL PI NEW JEI DIVISION OF WATER RESOURCES **ENFORCEMENT & REGULATORY SERVICES**



COMPLIANCE EVALUATION INSPECTION PUBLIC COMMUNITY WATER SUPPLY



DATE GENERAL INFORMATION PURVEYOR/ PW-ID # REQUIRED Andrew -TEL HONE # Admin : 301-366-Licensed Operators: **FACILITY DESCRIPTION** SOUR SS: descriptions, locations, capacities(mgd): Well #1 2.45 mod Est Tot Eff Cap: 6.34 mad TREATMENT: source, type, capacities(mgd) Sas Chlorian him Est Tot Eff Cap: 6.34 mgd FINISHED WATER STORAGE: descriptions, locations, capacities(mg): 3 ground fanks: Est Tot Cap: EMERGENCY INTERCONNECTIONS: descriptions, available gallonage(mgd): 6" F 8" Est Tot Avail: 4. 25 mad AUXILIARY POWER: location, type, capabilities: 625 General



NJDEP - DIVISION OF WATER RESOURCES PUBLIC COMMUNITY WATER SUPPLY INSPECTION



140900.

PLANT DELIVERED WATER (mpd.month.year) Max 3.9 783 Min 2.5 783 Annual Average 2.98 BULK PURCHASES (provider mpd) NUMBER OF SERVICES 5.507 MUNICIPALITIES SERVED (oil services in each) To ve v Rock away Twp Randalph Twp Victory Gardent With 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2			DELIVERY INFORMATION	•	
BULK PURCHASES (provider med) BULK SALES (customer, med) NUMBER OF SERVICES 5.50.7 MUNICIPALITIES SERVED (est. services in each) Dave Reskaway Tup Randelph Tup Via Kary, Gardens Ribart Var TOTAL ESTIMATED POPULATION SERVICED 22,000 CURRENT/RECENT WATER RESTRICTIONS (Project Numbers) DISTRIBUTION MAINS: Sizing 2" (min) to 160 psrc (max) Pressures 30 psi (min) to 160 psrc (max) Hydrants/Flushing Frogram 100 psi (max) PARAMETERS) FREQUENCY REQUIRED FREQUENCY PERFORMED Colliform 25 menth 25 month 100 psi (max) Introduce Colliform 25 menth 25 month 100 psi (max) Nitrals Colliform 25 menth 25 month 100 psi (max) Turbidity Turbidity Quarterly Quart	PLANT DELIVERI	ED WATER onth year) Max 3.9 1/8	7 83 Min <i>2</i>	Annual Average	7.98
NUMBER OF SERVICES 5.507 MUNICIPALITIES SERVED (est. SERVICES in each) Dave Recknusy Tup Rendalph Tup Via Law, Ganders When Your Population Serviced 22,000 CURRENT/RECENT WATER RESTRICTIONS WATER RESTRICTION Project Numbers) DISTRIBUTION MAINS: Sizing 2" (min) to 6" (max) Hydrants/Flushing Program 100 RONNTORING & REPORTING PARAMETERS) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25/month 23/month 100 Inorganics Charles Years Dane 494 Thibalomethanes Quality Elly Quarterly Companies. Turbidity Constitution of the property of the propert	BULK PURCHASE	S (provider mgd)			
MUNICIPALITIES SERVED (est. services in each) Dave Rockaway Two Randalph Twp Victory Gardens Mihrey 207 TOTAL ESTIMATED POPULATION SERVICED 32,000 CURRENT/RECENT WATER RESTRICTIONS WATER RESTRICTIONS (Project Numbers) DISTRIBUTION MAINS: Sizing 2" (min) to 60 psi (max) Hydrants/Plushing Program 1/25 MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY FERFORMED Coliform 25/month 25		r .			
MUNICIPALITIES SERVED (est. services in each) Dave Rock away Tup Randalph Turp Vic Lory, Gardens Hibrary Tup Total Estimated POPULATION SERVICED 22,000 CURRENT/RECENT WATER RESTRICTIONS New CONSTRUCTION (Project Numbers) Aloge DISTRIBUTION MAINS: Sizing 2" (min) to 60 siz (max) Hydrants/Flushing Program 10 160 siz (max) MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25/menth 25/month Inorganics 50 sizy 3 years Dane 394 Nitrate 60 y 3 years Dane 394 Nitrate 7 sizy 3 years Dane 394 Nitrate 7 sizy 3 years Dane 484 Nitrate 7 sizy 3 years Dane 484 Secondary Rogs every 3 years Dane 6/85 Examinate R	NUMBER OF SER	VICES 5507	* # ¹ **.	% METERED	~ ·
TOTAL ESTIMATED POPULATION SERVICED 22 000 CURRENT/RECENT WATER RESTRICTIONS NEW CONSTRUCTION (Project Numbers) Alage DISTRIBUTION MAINS: Sizing 2 (min) to 6 (max) Pressures 30 ps; (min) to 60 ps; (max) Hydrants/Flushing Program 10 160 ps; (max) MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25 menth 25 menth 25 month 10 ps; 15 month 10		SERVED		and the second of the second	<u> </u>
TOTAL ESTIMATED POPULATION SERVICED 22 000 CURRENT/RECENT WATER RESTRICTIONS NEW CONSTRUCTION (Project Numbers) Alage DISTRIBUTION MAINS: Sizing 2 (min) to 6 (max) Pressures 30 ps; (min) to 60 ps; (max) Hydrants/Flushing Program 10 160 ps; (max) MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25 menth 25 menth 25 month 10 ps; 15 month 10	(est. service:	s in each) Dover	Kocknway Two	Kandalph I	up
TOTAL ESTIMATED POPULATION SERVICED 22 000 CURRENT/RECENT WATER RESTRICTIONS NEW CONSTRUCTION (Project Numbers) Alage DISTRIBUTION MAINS: Sizing 2 (min) to 6 (max) Pressures 30 ps; (min) to 60 ps; (max) Hydrants/Flushing Program 10 160 ps; (max) MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25 menth 25 menth 25 month 10 ps; 15 month 10	Victory	Gardens	ushziton		
CURRENT/RECENT NEW CONSTRUCTION (Project Numbers) Alage DISTRIBUTION MAINS: Sizing 3" (min) to 6" (max) Pressures 30 ps/ (min) to 60 ps/ (max) Hydrants/Flushing Program 625 MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25/menth 25/menth 25/month Inorganics 2 ps/ 3 years 2 20 ps/ 394 Nitrate 2 ps/ 3 years 2 20 ps/ 394 Thalomethanes Gulfurfell, Gurnelly Organics Turbidity Secondation Regs 2 purey 3 years 2 20 ps/ (ps/ 2) Radiological enally hears 2 20 ps/ (ps/ 2) Radiological enally hears 2 20 ps/ (ps/ 2) Radiological enally hears 2 20 ps/ (ps/ 2) COMPLIANCE EVALUATION COMPLIANCE EVALUATION OURCE DEFICIENCIES Ame COMPLIANCE EVALUATION	And the original of				40
NEW CONSTRUCTION (Project Numbers) ADDE DISTRIBUTION MAINS: Sizing 2" (min) to 60 psc (max) Pressures 30 psc (min) to 60 psc (max) Hydrants/Flushing Program 65 MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25 menth 35 months Inorganics 6 psc 3 years 3 years 3 years 3 years 10 psc 4/84 Trihalomethanes 6 yeary 3 years 20 psc 4/84 Trihalomethanes 6 yeary 3 years 20 psc 6/84 Radiological ency 4 years 20 psc 6/84 Radiological ency 4 years 20 psc 6/84 Radiological ency 4 years 20 psc 6/84 When the second of the				POPULATION SERVICED	<i>dd</i> , 000
(Project Numbers) DISTRIBUTION MAINS: Sizing 2 (min) to 6 (max) Pressures 30 min) to 60 psi (max) Hydrants/Flushing Program 10 160 psi (max) PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25 menth 35 mond/h Inorganics 25 menth 35 mond/h Nitrate 25					
DISTRIBUTION MAINS: Sizing 2" (min) to 6" (max) Pressures 30 psi (min) to 160 psi (max) Hydrants/Flushing Program 65 MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 35/month 35/month Inorganics 25/month Inorganics 25/month 25/month Inorganics	· ·	The state of the s			
Pressures 30 ps. (min) to 60 ps. (max) Hydrants/Flushing Program - 10 ps. MONITORING & REPORTING PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25/menth 25/menth 25/menth Inorganics 25/menth 25/menth 25/menth Inorganics 25/menth 2			<i>n</i>		
Hydrants/Flushing Program	DISTRIBUTION M		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25/ments 25/month 15/month 16/months 25/month 19/months 25/month 19/month 19/mon			, , , , , , , , , , , , , , , , , , , ,	(max)	
PARAMETER(S) FREQUENCY REQUIRED FREQUENCY PERFORMED Coliform 25/ments 25/month 15/month 16/months 25/month 19/months 25/month 19/month 19/mon			MONTONING & BEDODERN	<u> </u>	
Coliform Diorganics Nitrate Every 3 years Done 184 Trihalomethanes Courrently Organics Turbidity Secondary Regs Every 3 years Done 484 Radielogical Every 3 years Done 484 Radielogical Every 4 years Done 484 Radielogical Every 4 years Done 1982 V.O. 1/6 marylis en well Done 1-84 IAME OF LABORATORY Lake Laboratory COMPLIANCE EVALUATION OURCE DEFICIENCIES None COMPLIANCE EVALUATION			MUNITOKING & KEPUKTIN	<u>u</u>	
Inorganics Nitrate Every 3 years Dane 3/84 Trihalomethanes Organics Turbidity Secondary Roos Every 3 years Dane 6/84 Every 1 years Dane 1982 CERTIFICATION # 14046 COMPLIANCE EVALUATION OURCE DEFICIENCIES Almost		PARAMETER(S)	FREQUENCY REQUIRED	FREQUENCY PERFORMED	
Inorganics Nitrate Every 3 years Dage 3/84 Trihalomethanes Organics Turbidity Secondary, Rogs Every 3 years Turbidity Secondary, Rogs Every 3 years Dage 6/84 Radiological Every 3 years Dage 6/84 Radiological Every 3 years Dage 6/84 Radiological Every 4 years Dage 1/84 IAME OF LABORATORY Lake Laboratory COMPLIANCE EVALUATION OURCE DEFICIENCIES Almost	÷	Califo			
Nitrate Every 3 years Dage 3/34 Trihalomethanes Quertelly Quertelly Quertelly Organics Turbidity Secondary Reps every 3 years Dage 6/34 Radielogical every 4 years Dage 6/34 V.O. 1/6 months en well Dage 1-34 IAME OF LABORATORY Lake Laboratory CERTIFICATION # 14046 DDRESS Laboratory New Torsey COMPLIANCE EVALUATION OURCE DEFICIENCIES None				25/1009/6	
Trihalomethanes Organics Turbidity Secondary, Reps every 3 years Radiological eval 4 years Done 6/84 Radiological eval 4 years Done 1982 V.O. 1/6 marylis ea well Done 1-84 IAME OF LABORATORY Lake Laboratory COMPLIANCE EVALUATION OURCE DEFICIENCIES Agree COMPLIANCE EVALUATION					•
Organics Turbidity Secondate Regs every 3 years Done 6/20 Radiological every 4 years Done 1982 V.O. 1/6 months en well Done 1-94 IAME OF LABORATORY Lake Laboratory CERTIFICATION # 14046 LIDDRESS Librarion COMPLIANCE EVALUATION OURCE DEFICIENCIES None	•		Did P. II		•
Turbidity Secondary Regs every 3 years Done 6/84 Radiological every 4 years Done 1982 V.O. 1/6 months ea well Done 1-84 IAME OF LABORATORY Lake Laboratory CERTIFICATION # 14046 ADDRESS Warfay New Toksey COMPLIANCE EVALUATION OURCE DEFICIENCIES None			GUTTEFIC	- Huzryer/G	·
Radiological eval 4 years Done 1982 V.O. 1/6 months ex well Done 1-84 JAME OF LABORATORY Lake Laboratory CERTIFICATION # 14046 ADDRESS Wharfon New Torsey COMPLIANCE EVALUATION OURCE DEFICIENCIES None					
Radiological eval 4 years Done 1982 V.O. 1/6 months ex well Done 1-84 JAME OF LABORATORY Lake Laboratory CERTIFICATION # 14046 ADDRESS Wharfor New Torsey COMPLIANCE EVALUATION OURCE DEFICIENCIES None		Secondary Reas	every 3 years	Done Wat	
AME OF LABORATORY Lake Laboratory CERTIFICATION # 14046 ADDRESS What for New Torsey COMPLIANCE EVALUATION OURCE DEFICIENCIES None					
COMPLIANCE EVALUATION OURCE DEFICIENCIES ADDRESS COMPLIANCE EVALUATION OURCE DEFICIENCIES ADDRESS COMPLIANCE EVALUATION		V.O	1/6 monskses well	Done 1-84	
ADDRESS Down New Tersey COMPLIANCE EVALUATION OURCE DEFICIENCIES Alone			1		ļ
COMPLIANCE EVALUATION OURCE DEFICIENCIES Alone		TORY Lake L	aboralory	CERTIFICATION # _	14046
OURCE DEFICIENCIES Alone	DDDESS (1)	1 .0 .1.			•
OURCE DEFICIENCIES Alone	TOURESS AND	Tak You New	Jeksey		
OURCE DEFICIENCIES Alone			COMPLIANCE EVALUATION	N'	•
	OURCE DEFICIEN	ICIES None			
REATMENT DEFICIENCIES AJone	Mary manager and the	The second second			***
REATMENT DEFICIENCIES None		The state of the s			
REATMENT DEFICIENCIES AJone					
REATMENT DEFICIENCIES None		The control of the co	•		
REATMENT DEFICIENCIES _AJane_					
Para de la	FREATMENT DEE	ICIENCIES 4 1-00			
		CIENCIES _AVAILE	•	The second secon	
	angle and the second			·	
		, , , , , , , , , , , , , , , , , , ,			

		•

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No			
Application	N o.		
County			

WELL RECORD

1.	OWNER Lawin of Dover ADDRESS Dover N.T.
	Owner's Well No SURFACE ELEVATION Feet
2.	LOCATION Trinceton Ave. Dover N.J.
3.	DATE COMPLETED DRILLER Layor Now York- Con Irv.
4.	DIAMETER: top 18 Inches Bottom 18 Inches TOTAL DEPTH 64 Feet
5`.	CASING: Type Diameter _ Poliches Length AA Feet
6.	SCREEN: Type Mohuman Size of # Diameter 12 Inches Length 20 Feet
, ≠°	Range in Depth { Top AA Feet Geologic Formation Feet
	Tail piece: DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
	Water rises toFeet above surface
8.	RECORD OF TEST: Date
٠.	Static water level before pumping
	Pumping levelfeet below surface afterhours pumping
	Drawdown Feet Specific Capacity 107 Gals. per min. per ft. of drawdown
•	How Pumped Meet Turbine How measured and ice
	Observed effect on nearby wells
9.	PERMANENT PUMPING EQUIPMENT:
	Type Mone Yest Mfrs. Hame
'a Adaile d	Capacity G.P.M. How Driven H.P R.P.M
يونونون ريون	Depth of Pump in wellFeet Depth of Footpiece in wellFeet
• •	Depth of Air Line in wellFeet Type of Meter on Pump SizeInches
10.	USED FOR Public Supply AMOUNT Average Gallons Daily
-	(Maximum Gallons Daily
11.	QUALITY OF WATER Hoalifain Ithachard Sample: Yes No
ļž,	LOG Odor Color Temp of
	(Give details on back of sheet or on separate sheet. If electric log was made, please
13.	SOURCE OF DATA Layno Hen York Co. Inc.
14.	DATA OBTAINED BY De Ward Date 12-15-71
	(NOTE: Use other side of this sheet for additional information such as log of materials panetrate

1270

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVE., LINDEN, N. J. LOG OF WELL Address Princetin an Doza no Representative, if any Done, My in Well Located at P. Nincettan Com Furnish sketch of location Date Drilling started 8/6/2/ Date Rest Hole Completed 9/10/7

Total depth to bottom of Well 61 Diameter Test Hole/8 3.24 Elevation at Ground Level, if available Elevation at Ground Level, if availablefeet...inches from the surface of the groun DEPTH TO BOTTOM OF STRATA THICKNESS OF STRATUM Length DEPTH TO BOTTOM OF STRATA Longth of Core Taken PORMATION FOUND EACH STRATUM THICKNESS OF STRATUM FORMATION FOUND EACH STRATUM of Core Taken of ill and silt 0'to15 Small colibles, brown sand and silt 25'to40' Small safetis and gravel cobblis afret grave 40to 65 65+066 66to 67 sand and silt describerto de como de la Remarks and opinion of Test bulder to chick formation with 8inh took hole

MIG USED

Reverse
Rotacy
Cable Tool
Wash
Other?

John Lucas

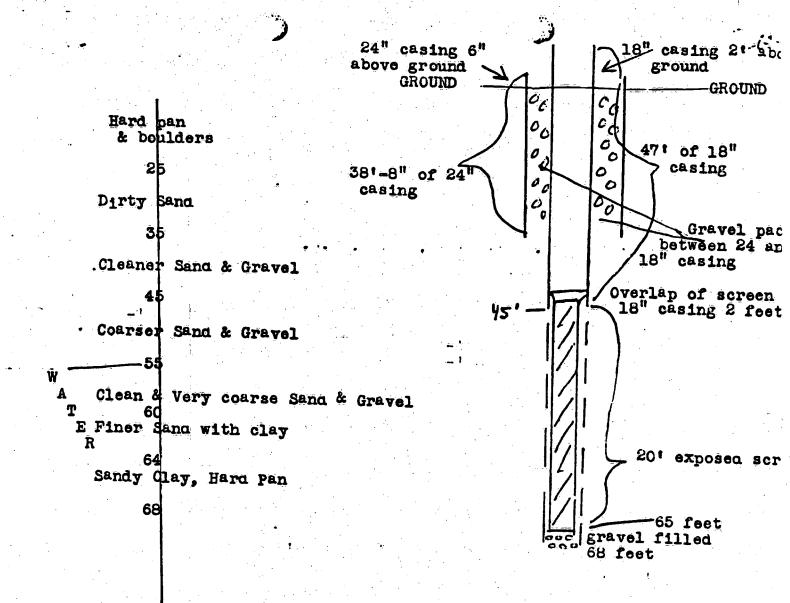
FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No.	15-	1254	<u></u>
Application	H O.	1217	_
County			

WELL RECORD

Board of Water Commissioner Owner Town of Dover	
Owner's Well No. New Well #1	SURFACE ELEVATION 600 Feet
2. LOCATION Princeton Ave. Well Fiel	
	ILLER Burrows Well Drilling Co., Inc.
4. DIAMETER: top 18 Inches Bottom 1	B Inches TOTAL DEPTH 65 Foot
5. CASING: Type Steel	B Inches TOTAL DEPTH 65 Feet 24" Diameter 18" Inches Length 47: Feet O Slot 1Ω aSlot 18" Inches Length 22 Feet
6. SCREEN: Type SS Size of 201-1	10 aslot 18" inches Length 22 Feet
Range in Depth { TopFeet BottomFeet	Sectionic Formation
Bottom Feet	decloyic Formation
Tail pieces DiameterInches	LengthFeet
	Minute atFeet above surface
Water rises toFeet	above surface
8. RECORD OF TEST: Date 3/28-31/66	Yield 1.711 Gallons per minute
Static water leyel before pumping	16' 3" 11' 3" Feet below surface
Pumping level 7 3/4" feet below	surface after 72 hours pumping
Drawdown 13 4 3/4" Feet Specific	CapacityGals. per min. per ft. of drawdown
How Pumped Turbine Pump	How measured Orifice 8 x 10
Observed effect on nearby wellsN	one
9. PERMANENT PUMPING EQUIPMENT: Not Inst	alled .
TypeMf	and the second s
CapacityG.P.H. How Dr	iven H.P R.P.M
Depth of Pump in wellFeet D	epth of Footpiece in wellFeet
Depth of Air Line in wellFeet	Type of Meter on PumpSizeInches
LIO. USED FOR Public Supply	AMOUNT { Average Gallons Daily Average Gallons Daily
	Maximum Gallons Daily
II. QUALITY OF WATER	Sample: Yes XXX No.
TasteOdor	Color Temp. 50 of
12. LOG OVER	Are samples available? Yes
· urnien copy)	
13. SOURCE OF DATA	
	lling Co., Inc. Date 4/4/66
(NOTE: Use other side of this sheet for a	dditional information such as log of materials penetrat



Zaderija potemeraj zaupodz

E THE SOUND SECTION OF THE SECTION O

AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No	•
pplication	No -
County	

WELL RECORD

F.	OWNER L. E. Carpenter and Company, Inc. ADDRESS 170 North Main Street, Wharton, N. J.
	Owner's Well No SURFACE ELEVATION Feet
2.	LOCATION 170 North Main Street, Wharton, New Jersey
3.	DATE COMPLETED 4-8-63 DRILLER D. F. Well Drilling Company, Inc.
4.	
5.	CASING: Type Solid Steel Diameter 8 Inches Length 44 Feet
6.	SCREEN: Type Size of Opening Diameter Inches Length 44 Feet
	Opening Diameter Inches Length Feet
	Range in Depth { Top Feet Geologic Formation Feet
	Total also a second
7.	Tail piece: DiameterInches LengthFeet
/ •	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
8.	Water rises toFeet above surface
•	RECORD OF TEST: Date Yield Gallons per minute
	Static water level before pumpingFeet below surface
-	Pumping levelfeet below surface afterhours pumping
	DrawdownFeet Specific CapacityGals. per min. per ft. of drawdown
	How Pumped How measured
	Observed effect on nearby wells
y,	PERMANENT PUMPING EQUIPMENT: Installed by Othere
	Type Installed by Others Mfrs. Name
	Capacity G.P.N. How Driven H.P R.P.N.
و جو - د د د	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in wellFeet Type of Meter on Pump SizeInches
10.	USED FORGallons Daily
47.	Maximum Gallons Daily
11.	QUALITY OF WATER Sample: Yes No
12.	TasteOdorColorTempOF
	(Give details on back of sheet or on asparate sheet. If electric log was made, please
13.	SOURCE OF DATA
14.	
	(NOTE: Use other side of this sheet for additional information and

60 - 10 feet - Large Stone and Gravel
10 - 20 " - Sand and Gravel
20 - 25 " - Large Gravel stones and Sand 150 - 200 G.P.M.
25 - 40 " - Large Gravel stones and Sand
40 - 48 " - Large Gravel and Coarse Sand 400 plus G.P.M.

A Comment of the Comm



MAY 1 3 1963

ECONOMIC DEVELOPMENT
GEOLOGIC & TOP. SURVEY



ERSEY DEPARTMENT OF ENVIRONMEN. PROTECTION DIVISION OF WATER RESOURCES ENFORCEMENT & REGULATORY SERVICES

COMPLIANCE EVALUATION INSPECTION PUBLIC COMMUNITY WATER SUPPLY



DATE FEBRUARY 2

GENERAL I	NFORMATION			
PURVEYOR! WHARTEN WRIER DEP	ARTMENT			
FILE LOCATION WHARTON BOROUGH	yror	PW	ID# /*	139001
MAILING ADDRESS 180 WEST CENTR	AL PVENUE			
ADMIN. ANTHONY GUADAGNINO		REQUIRED LICENSES	T-2 6	DA. AUST!
BUSINESS TELEPHONE # Admin.: (201) 361-8444 Licensed C	perators: T (Zer,)3:6-359	3 W	-
<u>FACILITY 1</u>	DESCRIPTION	and a province of the control of the		SALE FOR AN TO EXCEMENT ARCT TO THE CONTROL OF THE
SOURCES: descriptions, locations, capacities(mgd):	WELLS -	uit	<u> </u>	W. CENTER
A. 1. (C.72); WELL #2 W. C.	ENTRAL AV	£. (¢.7	9) j e	UEL. # 3
EILGEN COURT (1.00)				
		Est Tot	Eff Cap:	2.51
TREATMENT: source, type, capacities(mgd):	TION AND			
PLL WELLS				
		Est Tot	Eff Cap:	2.51
FINISHED WATER STORAGE: descriptions, locations, capacities(m	ig): Two		· ·	
IRONDALE ROAD - STEEL CRO				
-C-POUND TONK (0,50)				
		F. T.		<i>ac</i>
EMEROPIAN DEPRODUCTIONS		Est Tot		1
EMERGENCY INTERCONNECTIONS: descriptions, available gallor	<u> </u>		<u> </u>	NEC PROLLS
-WITH DOVER WATER DEPORTMENT	- DAKEK	AVE.	· C	בנאים
LUPLNUT ST. A 4		-		The property of the second of
		Est Tol	Avail:	
AUXILIARY POWER: location, type, capabilities: P. DIRE	ECT DRIVE	GASOL	NE EN	6.1.NE FOR
WELL #1. P PIXTABLE CENERA	TIR FOR	CHERI	MATICA)
A DIRECT DOVE DIESEL ENGINE	AND GENE	LATER.	cor u	ELL # 3
AND CHLORINATION.	.72			



NJDEP - DIVISION OF WATER RE CES PUBLIC COMMUNITY WATER SUPPLY INSPECTION



Juge

20112		DELIVERY INFORMATIO	N .	
PLANT DELIVE	RED WATER nonth year) Max /_ 0.3	$3 \left(\frac{7}{53}\right)$ Min O .	(.7 (12/8-3) Annual Average C	0.79 (198
BULK PURCHA	SES (provider mgd)	w£		
BULK SALES (c	ustomer, mgd) Now			
NUMBER OF SE	RVICES 1750		% METERED	160
MUNICIPALITIE	1			
	Cas in cacing Control Toy	y ACROUCH 1735	: POCKAWAY THENS	WIF 12:
MINE	HILL TOUNSMIP	3		
			TOTAL ESTIMATED	- Con
CURRENT/REC			POPULATION SERVICED	5500
NEW CONSTRU				
(Project Nu				
DISTRIBUTION	4	<i>i</i> /	- 4	
DISTRIBUTION			24 " (max)	
•	Hydrants/Flushing			
	yearnaya residing	110grad	CE PES YEAR	
		MONITORING & REPORTIN	<u>IG</u>	
•	PAKAMETER(S)	FREQUENCY REQUIRED	FREQUENCY PERFORMED	· I
	The state of the s		2000.1.200.00020	
	Coliform	6 FER MINTH	7 PER MONTH	
;	Inorganics Nitrate	- 1 PCR 3 YES	1 FER 3 YRS	
. •	Trihalomethanes	I PER 3 YRS	I FER MINTE	•
	Organics			
	Turbidity	_		
	Frenzipi + CHOSENSL	D/21-7	1 FER MUTH Z PER DAY	
	RADIONICAIDES	EVERY 4 YEARS	EVERY 4 YEARS	
	CORRESIVITY	BY 3/83	D.WE 16/26/87 Not 3	ing and the second second
	SECONDARY	EVERT 3 TEARS	C.NE PASTIALLY D.W	<u>.e</u>
NAME OF LABOR	ATORY DUNCAN	LABORATORY		
·	_		CERTIFICATION # _	14020
ADDRESSZ	BEKER AVENUE	, DOVER, N.J.	07801	
ng the series of the second of the series of				
		COMPLIANCE EVALUATIO		*
SOURCE DEFICIE	NCIES WELL #3	CONTAINS 21 PPh	of Fuer as	*
			CL TOEL CIL	
	year of the second seco			
				<u> </u>
	· · · · · · · · · · · · · · · · · · ·			
			The state of the s	
TREATMENT DEF	ICIENCIES _ THE AIR	PRASSURE PELIEF	UNE FOR WELL #	5 4 4
SCACAGE			With the first t	- 12. N.
CENET	, ITE WELL #	E.3 CHLORINE VEN	TIS NOT SCREENED	
<u> </u>				
		the state of the s		



LUHNIW GASTON JR. P.E. BIRECTOR

State of Rew Jersey.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

CN 029 TRENTON, NEW JERSEY 08625 DEPUTY DIRECTOR

MEMORANDUM

TO:

Lance Miller, Superfund Coordinator

FROM:

William Kramer through William F. Althoff and

Haig Kasabach, Acting State Geologist,

NJ Geological Survey

SUBJECT: L.E. Carpenter Superfund Submittal- Supplemental Information

The following information is being submitted at the request of Bob Hayton (HSMA) to support listing of the L.E. Carpenter (DAYCO) site in Wharton on the CERCLA National Priorities List.

- 1. At least one abandoned production well is present at the L.E. Carpenter facility. Well No. 1 is 48 feet deep and has a reported yield of 400 gpm (NJDEP Well Record, 1963). The driller's log does not indicate any type of aguitard from the surface to a depth of 48 ft. It is not known why this well was taken out of service. The fact that a production well is located at this facility together with the reported yield, indicates the relatively high permeability of this glacial outwash aguifer and its potential for future use.
- 2. The aquifer underlying the L.E. Carpenter site has been designated by USEPA as a Sole Source Aquifer under Section 1424(e) of the Safe Drinking Water Act. (Federal Register Vo. 49, No. 16, 1/24/84). In its decision to designate the Unconsolidated Quaternary Aquifer in the Rockaway River area, EPA clearly took potential future use of the aquifer into consideration.

"There are no existing alternative drinking water sources or combination of sources, which would provide 50% or more of the drinking water to the

designated area, nor is there any reasonably available alternative future source capable of supplying the drinking water demands of the Rockaway River Basin Area."

It is inconsistent for EPA to consider only current use of an aquifer when considering Superfund applications and use both current and future use in making Sole Source Aquifer determinations. Superfund should therefore consider both current and potential future use, particularly in Sole Source Aquifer areas.

3. EPA assumes that the presence of a river represents an aquifer boundary (i.e., equipotential boundary or a boundary of prescribed head). Several assumptions underlie EPA's position and need to be examined.

Traditionally, rivers have been considered natural boundaries to ground-water flow, with the aguifers on either side of the river behaving independently of one another. Ferris et al (1962) outlines the reasoning for this:

"For thin aguifers, the effects of vertical flow components are small a relatively short distance from the stream, and if the stream stage is not lowered by the flow to the real well, there is established the boundary condition that there shall be no drawdown along the stream position. Therefore, for most field situations it can be assumed (for practical purposes) that the stream is fully penetrating and equivalent to a line source at constant head."

The critical assumption in Ferris's definition is full penetration of the river. Obviously, one would be hard pressed to find a fully penetrating river under field conditions. The Rockaway River at Wharton is a partially penetrating river. Assuming a saturated thickness of 60 ft and a river depth of 1 1/2 ft, the Rockaway actually penetrates only 2.5% of the aquifer.

For the case of a partially penetrating river (the Rockaway) another consideration in establishing aquifer boundaries is whether the river bed is partially clogged with silts or clay. If this is the case, a semipervious or mixed boundary condition will exist limiting the flow of water from the river to the aquifer or vice versa.

Date 01/04/85 Page

Bear (1979) points out that a slightly penetrating river with a semipervious bed does not necessarily act as a boundary and should be regarded instead as a source or sink in a ground-water flow model.

Furthermore, if an aquifer boundary has sufficient permeability, ground water may flow into or out of the aguifer. The magnitude and direction of flow across the boundary are governed by hydraulic conductivity and the distribution of hydraulic head about the boundary (Bear, 1979). It is therefore possible for ground-water to flow beheath the river "boundary" from one part of the In fact this has been demonstrated aguifer to another. south of L.E. ft. Carpenter at the Municipal Wellfield. Observations by the USGS (Rheaume, personal communication, 1985) show water level fluctuations up to one ft in observation wells 270 ft west of the Rockaway River due to pumping effects from the Dover Wellfield located EAST of the Rockaway River.

In another case being handled by this office a plume of contaminated ground water in a bedrock aquifer was found to pass beneath a brook. Although traces of PCE were found in the brook, the bulk of the plume remained in the aquifer and passed unaffected beneath the brook. The brook was not an aquifer boundary.

The selection of aquifer "boundaries" should not be based solely on geographic features such as rivers. Although a river can act as a recharging boundary, whether this condition holds over the entire saturated thickness of the aquifer beneath the river will depend on many factors, primarily vertical distribution of hydraulic head, permeability of the river bed, locations of pumping centers and pumping rates, aquifer thickness, width and depth of penetration of the river, and the hydraulic conductivity of the aquifer materials.

With regard to potential targets, unpublished work by the USGS (Rheaume, personal communication 1985) indicates that municipal water supply wells situated along the Rockaway River derive some of their recharge from the river. For example, Wharton wells No. 1 and 2 derive about 25-50% of their recharge from the river. These two wells are located 4000 ft upstream of L.E. Carpenter. Dover wells No. 1, 3 and 5 derive 10-20% of their recharge from the river. These wells are located 5500 ft downstream of L.E. Carpenter. Estimates of river recharge to Wharton well No. 3 (4500 ft

Date 01/04/85 Page

downstream) of L.E. Carpenter were not determined since this well is currently not in service.

There is insufficient data to draw conclusions about the river/aquifer relationship. A sheen is present on the river 90 feet SSE of Well No. 3. The Rockaway River abuts 900 ft of the L.E. Carpenter property, but only one river stage measurement point has been established along the river. In addition product thickness in the monitor wells distorts the actual water table elevation. Finally, if a semipervious layer is present in the river bed, then a delayed response would be expected between change in river stage and its effect on water table elevations.

WK:clb

cc: Bob Hayton, HSMA
Greg Cunningham, Northern Region Enforcement
HK/WFA/File

Attachment

Date 01/04/85

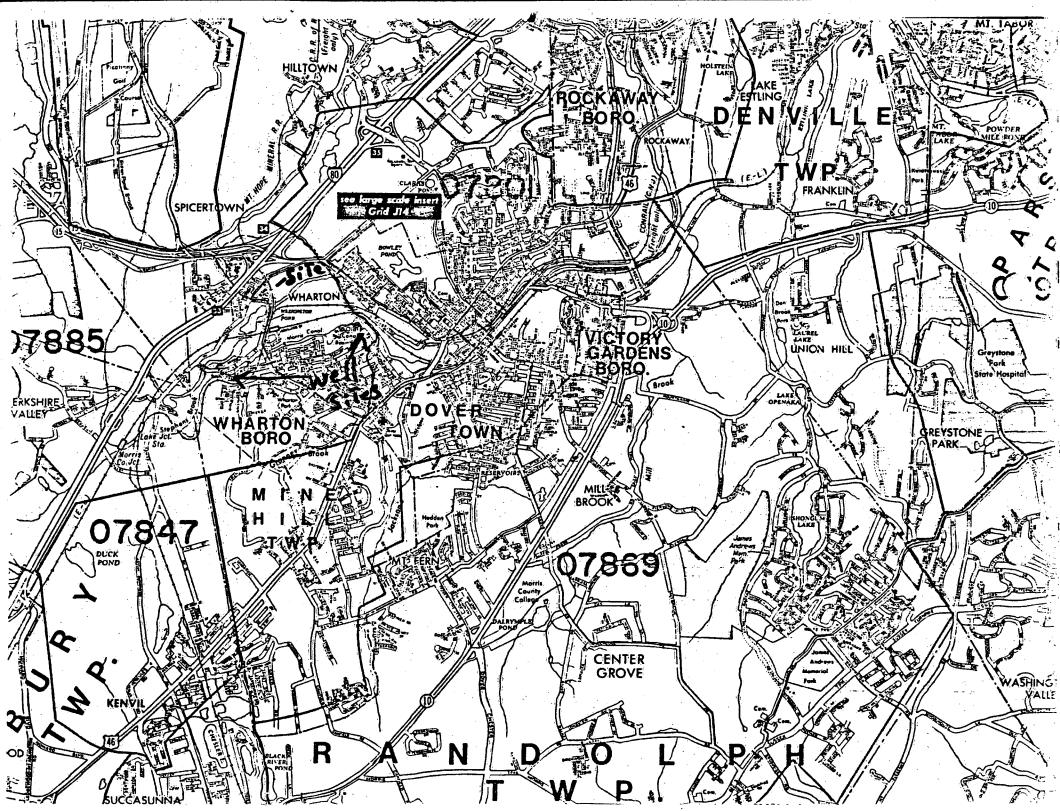
References

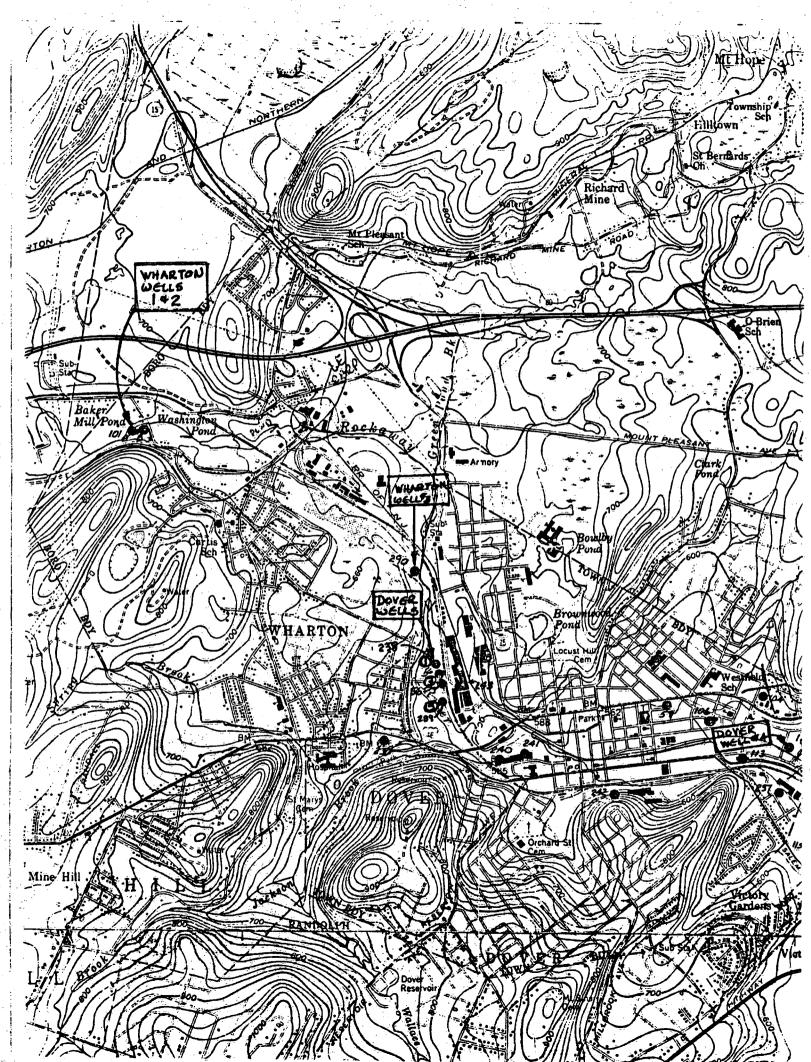
Bear, J., 1979 Hydraulics of Groundwater: McGraw Hill, NY, 569 p.

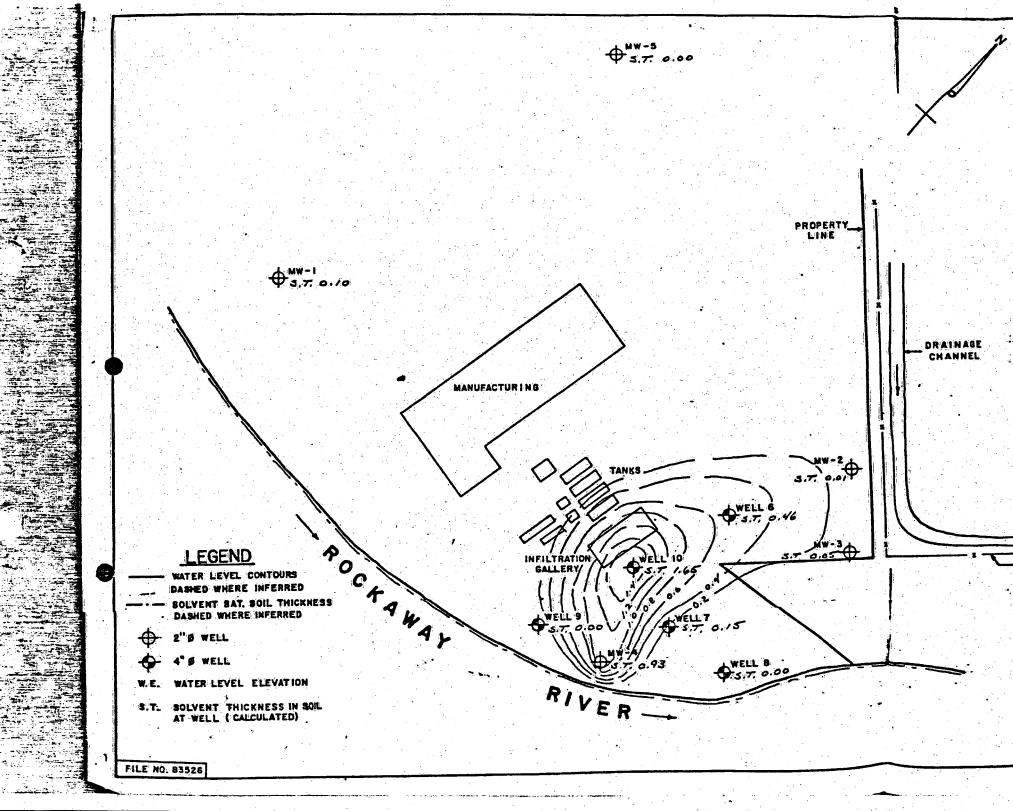
Ferris, J.G., Knowles, D.B., Brown, R.H. and Stullman, R.W., 1962 Theory of aquifer test: USGS Water-Supply Paper 1536-E, 174 p.

Rheaume, S., 1984 Personal communication, USGS unpublished data.

Date 01/04/85







On May 14, 1982, the Division of Water Resources' Emergency Response Unit (ERCOM) responded to a request by the Division of Fish, Game and Wildlife to collect and obtain analyses of water samples at the above-noted site.

The Division of Waste Management had been contacted but no one was available from their unit to respond. Region 4, Enforcement, DWR, (Joe Miller) was also advised at this time.

A local fisherman had reported to the Division of Fish, Game and Wildlife that he had noticed what he thought was a spill of a heavy oil like material in the Rockaway River behind the L.E. Carpenter plant located at 170 North Main Street, Wharton Borough.

Arriving at the Rockaway River site at 12:30 P.M. Lt. Burns (F.G.&W.) and the writer located the oil on a small island in the middle of the river behind the L.E. Carpenter facility. (See attached sketch). Water and sediment samples were collected upstream, downstream, and at the spill location. No unusual odors were noticed at this time.

To try to determine the spill source it was decided to inspect the nearby L.E. Carpenter site, which was currently undergoing an extensive clean-up operation. Following a detailed site inspection, additional samples were collected at the L.E. Carpenter old abandoned waste lagoons (chemical waste disposal area) and adjacent pit. (See sketch for locations and sample numbers). This on-going clean-up is being handled by DRW, Region 4, Enforcement. (Greg Cunningham).

During our inspection of the site, Lt. Burns and the writer, were accompanied by Mr. Frank Aron, technical Director and Mr. Wally Yocum, technical Manager of L.E. Carpenter. Both of these men were advised of the presence of this spilled material but neither acknowledged responsibility for its occurrence. They did however, at the request of the inspectors, clean-up the material. No source for this spill could be determined at this time.

TA:bg

cc: G. Cunningham, DWR, Region 4, Enforcement Lt. R. Burns, Division of Fish, Game, and Wildlife ERCOM file ER-46-82



State of New Versey

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

CN 029 TRENTON, NEW JERSEY 08625

JOHN W. GASTON JR., P.E. DIRECTOR

DIRK C. HOFMAN, P.E. DEPUTY DIRECTOR

MEMORANDUM

TO:

Lance Miller, Superfund Coordinator

FROM:

William Kramer THROUGH William F. Althoff and Haig Kasabach, Acting State Geologist, NJGS

SUBJECT:

L.E. Carpenter Superfund Submitted - Supplemental Information,

Wharton, Morris County

This information is being submitted at the request of Bob Hayton (HSMA) in support of a listing of the L.E. Carpenter (DAYCO) site on CERCLA NPL.

The ground water contamination at the L.E. Carpenter site occurs in the Unconsolidated Quaternary Aquifer in the Rockaway River area, a Sole Source Aquifer designated by USEPA. The aquifer begins at the water table. A drillers' log of the production well at L.E. Carpenter does not indicate any type of aquitard to a depth of 48 feet.

cc: Bob Hayton (HSMA) . Greg Cunningham

AppendixF

Appendix 6

Federal Register / Vol. 49, No. 16 / Tuesday, January 2 284 / Notices

294R

resubmitted his petition which included the necessary data to consider the package up-to-date and complete. EPA published a notice in the Federal Register. On November 13, 1981, which served to publish the highlights of the petition, to announce a public comment period, and to determine if there was sufficient public interest to hold a public hearing. Based on comments from concerned parties, the public comment period was extended to January 15, 1982. A total of 14 written comments were received. It was determined, that a public hearing was not necessary because public interest was not sufficient. No commenters requested a public hearing. Seven of the written responses were against designation. Most of the commenters were of the opinion that Federal projects were already subject to sufficient environmental impact studies which delineated appropriate actions to protect ground water. It was generally concluded that designation would only result in duplicate project review resulting in additional delays to Federal projects. Other comments addressed opposition to the arbitarary exclusion of the cities of Milwaukee, Racine, and Kenosha, since their absence from the calculations could be misleading by implying a higher percentge of total ground water usage versus the total . water usage for the petitioned area.

Six responses indicated support for the designation of the described area. This group of responders consisted of local environmental organizations and State representatives. These commenters were concerned about the aquifers' susceptibility to contamination as well as the great cost that would be incurred to replace the water supplies. In addition to the comments, a local planning commission submitted technical data without making any recommendations about designation of

Analysis of Action

The original area proposed by the petitioner included "east of the western most boundary of the Niagara aquifer, west and south of the Wisconsin shoreline of Lake Michigan but excluding the cities of Milwaukee, Racine, and Kenosha; north of the Wisconsin-Illinois border."

In a similar case, Maryland Piedmont at 45 FR 57165 August 27, 1980, EPA enlarged the area designated by the petitioner because the area was not hydrologically defined. This determination to use hydrologic boundaries was uphelp by the United States Court of Appeals for the Fourth Circuit. (Montgomery County, Maryland

vs US Environmental Protection Agency 662 F.2d 1040 (1981)).

The EPA has concluded that the reasons for excluding the cities of Milwaukee, Racine, and Kenosha as well as the use of the Wisconsin-Illinois State line as the southern boundary were arbitrary. Based on an extensive literature search and technical consultation with State agencies, the modified petition boundaries include the cities of Milwaukee and Racine since they are not hydrogeologically isolated from the rest of the Niagara aquifer system. The southern boundary is a ground water divide interpreted to be located north of the city of Kenosha.

Basis for Denial

EPA published proposed procedural regulations to implement Section 1424(e) September 29, 1977 at 42 FR 51620. Although the proposed regulations have not been promulgated in final form, the Agency uses the proposed regulations as guidance in processing petitions and making sole or principal source aquifer. determinations. A sole or principal source acquifer is defined therein as an acquifer which supplies 50 percent or more of the drinking water for an area. The proposed regulations also require the Administrator to consider the availability of alternative sources of drinking water in making the determination .

The U.S. Geological Survey published a report on the Water Use in Wisconsin, 1979 (Open-File Report 82-444). Analysis of report data shows only 17 percent of the residential water usage within the proposed area is supplied by ground water. If the total water usage (residential, industrial, commerical, irrigation, livestock watering, ect) is considered for the proposed area, the total ground-water usage would be 28 percent. Finally, all of the above ratios for ground-water usage in the proposed area includes usage from the deeper Cambrian-Ordocvician acquifer which is geologically separated from the petitioned shallower acquifers by the confining Maquoketa shale. Therefore, the percentage of ground-water usage for the petitioned acquifer fails to meet the 50 percent water usage criteria required for an acquifer to be designated as a sole source.

Dated: January 12, 1983.
William D. Ruckelshaus,
Administrator.

[PR Dos. 94-1859 Plad 1-23-1 0:48 am] BILLING CODE 6560-60-46 [OW-FRL-2460-4] This is a still for a support

Unconsolidated Quaternary Aquifer, in the Rockaway River Area, New Jersey; Final Determination

AGENCY: U.S. Environmental Protection
Agency.
ACTION: Notice.

SUMMARY: Notice is hereby given that. pursuant to Section 1424(e) of the Safe Drinking Water Act, the Administratos! of the U.S. Environmental Protection >> Agency (EPA) has determined that the Unconsolidated Quaternary Aquifer in ' the Rockaway River Basin is the sole or principal source of drinking water for the Rockaway River Basin Area, and .: that the Unconsolidated Quaternary Aquifer, if contaminated, would create a significant hazard to public health. As a result of this action, all Federal financially assisted projects constructed in the Rockaway River Basin Area will be subject to EPA review to insure that these projects are designed and constructed without a significant hazard to public health.

ADDRESSES: The data on which these findings are based is available to the public and may be inspected during normal business hours at the U.S. Environmental Protection Agency. Region II, Water Supply Branch, Room. 824, 26 Federal Plaza, New York, New York 10278.

POR FURTHER INFORMATION CONTACT:
Damian J. Duda, Water Supply Branch,
Environmental Protection Agency,
Region II at 212-284-1800.

SUPPLEMENTARY INFORMATION: Notice is hereby given that pursuant to Section 1424(e) of the Safe Drinking Water Act (42 U.S.C. 300f, 300h-3(a), Pub. L 83-4. 523), the Administrator of the U.S. Environmental Protection Agency (EPA) has determined that the Unconsolidated Quaternary Aquifer of the Rockaway River Basin Area is the sole or principal source of drinking water for the Town of Boonton, Boonton Township, Denville, Dover, Jefferson Township, Mine Hill. Mountin Lakes, Randolph Township, Rockaway Borough, Rockaway Township, Roxbury, Victory Gardens and Wharton. Pursuant to Section 1424(e). Federal financially assisted projects constructed in the Rockaway River Basin Area, which is delineated. by the watershed boundaries of the Rockaway River, the Black (Upper Lamington) River Basin in Roxbury Township and Lake Arrowhead in Denville and Mountain Lakes, will be subject to review. २३ ३१ च्यासक्त्याक ए.र

L Beckground

Section 1424(e) of the Sale Drinking Water Act states:

If the Administrator determines, on his own initiative or upon petition, that an ame has an aquifer which is the sole or principal drinking water source for the area and which, if contaminated, would create a significant hazard to public bealth, he shell publish notice of that determination in the Federal Register. After the publication of any such notice, no commitment for Federal financial assistance (through a grant, contract, loss guarantes, or otherwise) may be entered into for any project which the Administrator determines may contaminate such equifer through a mediange some so as to create a significant housel to polic health, that a commitment for Federal financial assistance may, if authorized under another provision of law, be solered into to plan or design the project to assume that it will not so contaminate the aquifer.

On November 30, 1979, EPA received a petition from the Upper Rockaway River Watershed Association requesting that EPA designate the Quaternary Wisconsin stratified dust deposits as a sole source aquifer. In response to this petition, EPA published a notice in the Federal Register on September 11, 1980 (45 FR 80010) announcing a public comment period and setting a public hearing date. A public hearing seas conducted on October 15, 1980, and the public was requested to submit comments on the petition matter.

II. Basis for Determination

Among the factors to be considered by the Administrator in connection with the designation of an area under Section 1424(e) are: (1) whether the Unconsolidated Quaternary Agalier is the Area's sole or principal source of drinking water, and (2) whether contamination of the aguiler would create a algorificant hazard to public health.

On the basis of information available to this Agency, the Administrator has made the following findings, which are the basis for the determination noted above:

1. The Quaternary deposits represent an equifer which currently serves as the "sole source" of drinking water for approximately 90,000 residents.

2. There are no existing alternative drinking water sources or combination of sources, which would provide fifty percent or more of the drinking water to the designated area, nor is there any reasonably available alternative fature source capable of supplying the drinking water demands of the Booksway River Basin Area.

 composed of uncossolidated sand and gravel deposits.

As a result of its highly permeable soil characteristics, the Unconsolidated Quaternary Aquifer is susceptible to contamination through its recharge zone from a number of sources, including, but not limited to, chemical spills, highway runoff, septic tanks, leaking storage tanks, and leaching from open dumps. There is current evidence of localized contamination of the aquifer from gasoline spills, individual disposal systems, leaking fuel tanks, and wastewater treatment systems. Since ground water contamination can be difficult or impossible to reverse, and since this aquifer is relied on for drinking water purposes by the general population, contamination of the aquifer would pose a significant hazard to public health.

III. Description of the Unconsolidated Quaternary Acquifer and its Recharge Zone

The Unconsolidated Quaternary Aquiler underlies thirteen municipalities in Morris County, in the Rockaway River Basin Area. The municipalities are the Town of Boonton, Boonton Township, Denville, Dover, Jefferson Township, Mine Hill, Mountain Lakes. Randolph Township, Rockaway Borough, Rockaway Township, Roxbury, Victory Gardens and Wharton. The area in which Federal financially assisted projects will be subject to review is the area which includes the unconsolidated Quaternary Aquifer's (1) recharge zone delineated by the floodplate areas of the Rockaway River Besin and a portion of the Black (Upper Lamington) River Basin and (2) streamflow source zone—the watershed boundaries of the Rockaway River Basin, a portion of the Black [Upper Lamington) River Basin and Lake Arrowhead

IV. Information Utilized in Determination

The Information utilized in this determination includes the petition, written and verbal comments submitted by the public and the New Jersey Department of Environmental Protection and a study on the available water supply in the Rockaway Area (Tetra-Tech, 1879).

The above data is available to the public and may be inspected during normal business hours at the Environmental Protection Agency Region II, Water Supply Branch, Room 824, 26 Paderal Plaza, New York, New York, 1965,

V. Project Review

EPA Region II is working with the Federal agencies that may in the future provide financial assistance to projects in the area of concern. Interagency procedures have been developed in which EPA will be notified of proposed commitments by Pederal agencies for projects which could contaminate the Unconsolidated Quaternary Aquifer. EPA will evaluate such projects and, where necessary, conduct an in-depth review, including soliciting public comment where appropriate. Should the Administrator determine that a project may contaminate the aquifer through its recharge zone so as to create a significant hazard to public health, no commitment for Federal financial assistance may be entered into. However, a commitment for Federal financial assistance may, if authorized under another provision of law, be entered into to plan or design the project to assure that it will not so contaminate the aquifer.

Although the project review process cannot be delegated, the U.S. Environmental Protection Agency will rely to the maximum extent possible on any existing or future State and local control mechanisms in protecting the ground water quality of the Unconsolidated Quaternary Aquifer.

Included in the review of any Federal financially assisted project will be coordination with the State and local agencies. Their comments will be given full consideration and the Federal review process will attempt to complement and support State and local ground water protection mechanisms.

VI. Summary and Discussion of Public Comments

Most of the comments received from Federal, State and local government agencies and from the public were strongly in favor of designation. Only two commenters expressed any reservations regarding the designation.

Two commenters felt that EPA currently has sufficient ground water protection mechanisms, which, together with State and local mechanisms, render a sole source designation unnecessary. Each felt that a municipality should have the responsibility of protecting its own water resource. Although a number of ground water protection measures are available at the Federal. State and local leval, none of these , either individually or collectively, permit EPA to act as directly and comprehensively as would a sole source designation in the review and approval of Federal financially assisted projects. In addition, EPA feels

that the sole source project review process will foster integration rather than duplication of environmental review efforts.

One other commenter, although generally in favor of the designation had some recommendations to the existing petition. Specifically the two recommendations are (1) to extend the recharge area and (2) to expand any project review to include both federally assisted and non-federally assisted projects mainly public and semi-public. EPA has evaluated the recharge suggestion and determined the extent of the recharge area for project review. At present, only Federal financially assisted projects can come under sole source review. EPA does not have the legal means to review any non-federally funded project without amendment to the Safe Drinking Water Act. Federal financial assistance will only be withheld in those instances where it is determined that a proposed project may contaminate the aquifer so as to create a significant hazard to public health and no acceptable remedial measures are available to prevent the potential hazard.

VIL Economic and Regulatory Impact

Pursuant to the provisions of the Regulatory Flexibility Act (RFA), 5 U.S.C. 605(b), I hereby certify that the attached rule will not have a significant impact on a substantial number of small entities. For purposes of this Certification the "small entity" shall have the same meaning as given in Section 601 of the RFA. This action is only applicable to the Rockaway Rover . Basin Area. The only affected entities will be those Area-based businesses, organizations or governmental jurisdictions that request Federal financial assistance for projects which have the potential for contaminating the aquifer so as to create a significant hazard to public health. EPA does not expect to be reviewing small isolated commitments of financial assistance on an individual basis, unless a cumulative impact on the aquifer is anticipated; accordingly, the number of affected small entities will be minimal.

For those small entities which are subject to review, the impact of today's action will not be significant. Most projects subject to this review will be preceded by a ground water impact assessment required pursuant to other Federal laws, such as the National Environmental Policy Act, as amended (NEPA), 42 U.S.C. 4321, et seq. Integration of those related review procedures with sole source aquifer review will allow EPA and other Federal agencies to avoid delay or duplication of

effort in approving financial assistance, this minimizing any adverse effect on those small entities which are affected. Finally today's action does not prevent grants of Federal financial assistance which may be available to any affected small entity in order to pay for the redesign of the project to assure protection of the aquifer.

Under Executive Order 12291, EPA must judge whether a regulation is "major" and, therefore, subject to the requirement of a Regulatory Impact Analysis. This regulation is not major because it will not have an annual effect of \$100 million or more on the economy, will not cause any major increase in costs or prices, and will not have significant adverse effects on competition, employment, investment, productivity, innovation, or the ability of United States enterprises to compete in domestic or export markets. Today's action only affects the Rockaway River Basin Area. It provides an additional review of ground water protection measures, incorporating State and local measures wherever possible, for only those projects which request Federal 🔻 financial assistance. This regulation was submitted to office of Management and Budget for review under EP 12291.

Dated: January 12, 1983.
William D. Ruckelshaus,
Administrator.
[FR Doc. 44-1888 Filed 1-23-65, 245 am
SELLING CODE 5550-50-45

[SA-FRC 2511-6]

Science Advisory Board; Environmental Engineering Committee; Open Meeting.

Under Pub. L. 92–463, notice is hereby given that a two-day meeting of the Environmental Engineering Committee (EEC) of the Science Advisory Board will be held in Conference Room 3906–3906M, U.S. Environmental Protection Agency, 401 "M" Street, SW., Washington, D.C., on February 8–9, 1984. The meeting will begin at 9:00 a.m., and last until approximately 5:00 p.m. each day.

The agenda for the meeting will include a continuation of the Committee's review of data supporting proposed effluent guidelines for the organic chemical and plastics/synthetic fibers industry. Other agenda items are not yet firm, but will probably include discussions on RCRA-related issues, control technology research, and sludge management.

The meetings is open to the public.

Any member of the public wishing to participate or obtain further information

about the meeting should contact Harry C. Torno, Executive Secretary, at (202) 382-2552, or Terry F. Yosie, Staff Director, Science Advisory Board, at (202) 382-4128. Public comment will be accepted at the meeting. Written comment will be accepted in any form, and there will be opportunity for brief oral statements. Anyone wishing to make such comment must contact Mr. Torno prior to February 3, 1984, in order to be placed on the agenda.

EPA has recently instituted new visitor control procedures. In order to minimize any inconvenience, persons wishing to attend are requested to call. Ms. Cheryl Fauntleroy at (202) 382-2552, so that they may be included on a roster that will be prepared for the building security guards. Attendees are also requested to enter the building at the West Tower entrance.

Dated: January 16, 1984.
Terry F. Yosia,
Staff Director, Science Advisory Board.
[FR Doc. 84-1891 Filed 1-23-64 846 am]
BILLING CODE 8520-60-M

[OW-FRL-2511-3]

Final Determination; Groundwater
System of the Upper Santa Cruz Basin
and the Ayra-Altar Basin of Pima,
Pinal, and Santa Cruz Countles,
Arizona: Agulfer Determination

AGENCY: Environmental Protection Agency.

ACTION: Final Determination.

SUMMARY: Pursuant to Section 1424(e) of the Safe Drinking Water Act, the Administrator of the U.S. Environmental Protection Agency (EPA) has determined that the Upper Santa Cruz and Avra-Altar Aquifers are the sole or principal source of drinking water for the Tucson Active Management Area, as established by the 1980 Arizona Groundwater Management Act, and that these aquifers, if contaminated, would create a significant hazard to public. health. As a result of this action, Federal financially assisted projects constructed anywhere in the Tucson Active Management Area will be subject to EPA review to ensure that these projects are designed and constructed so that they do not create a significant hazard to public health. . . A. Sarangarah Ma

ADDRESSES: The data on which these findings are based are available to the public and may be inspected during a normal business hours at the U.S. Environmental Protection Agency.

United States Environmental Protection Agency Washington, DC 20460

⊕EPA

Request for and Authorization of Overtime Work

(See reverse for instructions and Privacy Act Statement)

1. For Pay Period Ending 7/27/91	2. Account Number See Below
3. Document Control Number	4. Estimated Cost

Authority for approving payment for overtime, or the allowance of compensatory time in lieu of payment for overtime, is reserved only to those officials stated in Agency delegations.

to those officials stated in Agency delegations.

Overtime must be authorized prior to its performance except in cases of emergency, and overtime actually worked under this authorization must be recorded on the employee's Time and Attendance (T&A) Card, EPA Form 2565-1; -2, or -3

Justification or Reason To perform Technical Review of Superfund - RI/FS/RD documents - CIBA Geigy (8hrs) Account Number - 1TGB02D687				
7. Employee's Name	8. Social Security Number	Grade or Rate	Estimated Number of Hours	
Frederick Luckey	- 3 027424630 /	13	8.7	7/26/91
A Company of the Comp				
	18 18 May 18 18 18 18 18 18 18 18 18 18 18 18 18			
To the order of the second	en sin a si i com	The second secon		
	50 July 201	હ ે ?	. 	ing one
a viden et ega e a tel d ir e a e egi e e di g ensk e d ad ele el	gan (Artigen en sport i Nobel et al.) En l'emperations de la Societa de			
ି ପ୍ରତିକ୍ର ଅନ୍ତର୍ଶ କଥା । ଅଧିକ ବିଶ୍ୱର ଓ ଅନ୍ତର୍ଶ କଥା । ଆଧାର୍ଥ ଓ ଅନ୍ତର୍ଶ କଥା ।	1911 14 5 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ľ	
		3.		
Light Art Art Art Art Art Art Art Art Art Ar	la de la companya de			
	. 	Paris C		- 1
				i
Requested by Vincent Pitruzzello	Title Chief/PSB		<u></u>	Date
2. Approved by Kathleen C. Callahan	Title Director/ERRD	ule je ve u		Date

Privacy Act Statement

Section 301 of Title 5 to the U.S. Code authorizes collection of this information. The primary use of this information, including the Social Security Number, is by management and the payroll office to authorize your request for overtime work. Additional disclosures of this information may be made to the U.S. Treasury for it to issue paychecks; Federal, State, and local taxing authorities through annual W-2 statements; Federal, State, and local law enforcement agencies when EPA is aware of a violation or possible violation of civil or criminal law; Federal agencies when conducting an investigation of you for employment or security reasons; Federal, State, and local agencies maintaining civil, criminal, or other enforcement information relevant to EPA's decision concerning the hiring or retention of an employee or the issuance of a security clearance; and to a Member of Congress when the Member informs us you have authorized his/her access to the record.

Collection of your Social Security Number is authorized by Executive Order 9397. Furnishing the information on this form, including your Social Security Number, is voluntary, but failure to do so may result in disapproval of this request.

Instructions

ltem	
1	Insert the ending date of the pay period in which overtime is worked
2 and 3	Self-explanatory.
4	Covers the total dollar value of all overtime hours requested for the pay period or of the additional hours if "Extension" in Item 5 is checked.
5	Check "Extension" if this authorization increases the hours previously authorized for the same pay period, otherwise check "Original Request."
6 through 9	Self-explanatory
10	Check the "Comp Time" column to indicate that the employee requests compensatory time in lieu of overtime pay.
11 and 12	Self-explanatory